

LAND APPLICATION SITE

HARRISON A. MOODY

DWHAM 1 - 15

DINWIDDIE COUNTY

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 2-2-15 between Harrison A. B. Deborah L. Moody referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Minwiddie, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
TM-37-2	TM 38-4B	37-2F	
TM 37-3	TM 39-42	38-5A	
TM 37-2A	37-2C	38-5B	
TM 37-5	37-2D	38-8	
37-2B	37-2E		

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Harrison A. Moody
Deborah L. Moody
 Landowner - Printed Name, Title

Harrison A. Moody
Deborah L. Moody
 Signature

10876 Zilles Rd, Blackstone
23824
 Mailing Address & Phone Number

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

STumbo
Harrison A. Moody
 Permittee - Authorized Representative
 Printed Name

STumbo
Harrison A. Moody
 Signature

PO Box 562 Remington, Virginia 22734
 Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: Dinwiddie
Landowner: Harrison A. B Deborah L. Moody

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Harrison A. Moody
Deborah L. Moody
Landowner's Signature

2/2/15
Date

Harrison A. Moody
Farm Operator Signature

10876 Zillies Rd, Blackstone Va
Mailing Address & Phone Number

23824

804-731-3103

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION

FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 12-29-19 between Arthur & Amanda Moody referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Dinwiddie, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>39-42</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No

Printed name <u>Arthur m Moody</u> <u>Amanda Moody</u>	Mailing Address <u>4700 Split creek Ct</u> <u>Chester, VA 23831</u>	Landowner Signature <u>Arthur m. Moody</u> <u>Amanda Moody</u>
By:	Phone No. <u>804-778-7858</u>	
Title*		
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>[Signature]</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Dinwiddie

Landowner: Arthur M. B. Amanda Moody

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days.
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Arthur M. Moody
Amanda Moody
Landowner's Signature

12-29-19
Date

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 12-25-19 between Libby & Ken Bourne referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Dinwiddie, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>39-42</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>Gerald M Bourne</u> <u>Kenneth W Bourne</u>	Mailing Address <u>6007 Lansgate Rd</u> <u>Midlothian, VA 23112</u>	Landowner Signature <u>Kenneth W. Bourne</u> <u>Gerald M Bourne</u>
By:	Phone No. <u>804-382-8985</u>	
Title*		
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>[Signature]</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Dinwiddie

Landowner: Grace & Ken Bourne

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Kenneth W. Bourne
Grace M. Bourne
Landowner's Signature

12-25-19
12-25-19
Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Recyc Systems, Inc

Site Name: Harrison A. Moody

County or City: Dinwiddie County

Please Print

Signature not required on this page

Tax Parcel ID(s)	Landowners (s)
37-2	Harrison A. or Deborah Moody
37-2A	Harrison A. or Deborah Moody
37-2B	Harrison A. Moody
37-2C	Harrison A. Moody
37-2D	Harrison A. or Deborah Moody
37-2E	Harrison A. or Deborah Moody
37-2F	Harrison A. or Deborah Moody
37-3	Harrison A. or Deborah Moody
38-4B	Harrison A. or Deborah Moody
37-5	Harrison A. or Deborah Moody
38-5A	Harrison A. Moody
38-5B	Harrison A. Moody
38-8	Harrison A. Moody
39-42	Harrison A. Moody et. AL. (Amanda Moody, Arthur Moody, Grace Bourne, and Ken Bourne)

FARM DATA SHEET

SITE NAME:	Harrison A. Moody	COUNTY:	Dinwiddie
OWNER:	See List Below	OPERATOR:	Harrison A. Moody
OWNER'S	See List Below	OPERATOR'S	10876 Zilles Road
ADDRESS:		ADDRESS:	Blackstone, VA 23824
OWNER'S TELEPHONE:	See List Below	OPERATOR'S TELEPHONE:	804-265-8427
GENERAL FARM TYPE:	Row Crops & Hay	CELL PHONE:	804-731-3103
# CATTLE:	None	EMAIL:	Harrison_moody@hotmail.com
LAGOON or SLURRY:	None	LATITUDE:	Fields 1-6 37.119 Fields 7-9 37.121 Fields 10-15 37.092
TOPO QUAD:	Blackstone East Darvilles	LONGITUDE:	Fields 1-6 -77.878 Fields 7-9 -77.866 Fields 10-15 -77.813
COMMENTS:	METHOD OF DETERMINATION: Online Maps		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> Harrison A. and Deborah L. Moody 10876 Zille Road Blackstone, VA 23824 804-265-8427 </div> <div style="width: 30%;"> Arthur and Amanda Moody 4700 Split Creek Ct. Chester, VA 23831 804-778-7858 </div> <div style="width: 30%;"> Ken and Grace Bourne 6007 Lansgate Rd. Midlothian, VA 23112 804-382-8985 </div> </div>			
There are 2 old poultry houses on the farm, they are no longer in use and do not have a permit.			
Fields 1-9 have pieces that are in the process of being cleared. It's expected to be done in the next year or so.			
BB			
12-29-19 11-18-198			

FIELD CHANGES
HARRISON A. MOODY
DINWIDDIE COUNTY

NEW FIELD 1 IS PART OF OLD FIELD 2 AND ALSO NEW CLEARED LAND.

NEW FIELD 2 IS OLD FIELD 3 AND ALSO NEW CLEARED LAND.

NEW FIELD 3 IS OLD FIELD 4 AND ALSO NEW CLEARED LAND.

NEW FIELD 4 IS PART OF OLD FIELD 1 AND ALSO NEW CLEARED LAND.

NEW FIELD 5 IS PART OF OLD FIELD 1 AND ALSO NEW CLEARED LAND.

NEW FIELD 6 IS PART OF OLD FIELD 2 AND ALSO NEW CLEARED LAND.

NEW FIELD 7 IS CLEARED LAND.

NEW FIELD 8 IS CLEARED LAND.

NEW FIELD 9 IS OLD FIELD 5 AND ALSO NEW CLEARED LAND.

NEW FIELD 10 IS OLD FIELD 7.

NEW FIELD 11 IS OLD FIELD 8.

NEW FIELD 12 IS PART OF OLD FIELD 10.

NEW FIELD 13 IS OLD FIELD 6.

NEW FIELD 14 IS OLD FIELD 9.

NEW FIELD 15 IS PART OF OLD FIELD 10.

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	DEQ Control ID	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
			Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
DWHAM 1N	51053-00172-0000	16.3	9B Jan.-Apr.	-	-	-	CU 19	37-2A 37-2C 37-2D	T 2200 F 1, 2, 4, 5
DWHAM 2N	51053-00173-0000	22.5	9B Jan.-Apr.	-	-	-	CU 19	37-2A	T 2200 F 3, 4
DWHAM 3N	51053-00174-0000	28.6	-	-	-	-	CU 19	37-2 37-2A 37-2F	T 2200 F 4, 18, 20
DWHAM 4N	51053-00168-0000	37.3	-	-	-	-	CU 19	37-2B 37-2 37-2F 37-5	T 2200 F 6, 7, 8, 16, 17, 19
DWHAM 5N	51053-00168-0000	17.8	-	-	-	-	CU 19	37-3	T 2200 F 12, 13, 14, 15
DWHAM 6N	51053-00172-0000	16.2	-	-	-	-	CU 19	37-5	T 2200 F 9, 10, 11
DWHAM 7N	New	22.7	16A Nov.-May	-	-	-	CU 19	38-4B 38-8 38-5B 38-5A	T 5800 F 1, 2, None
DWHAM 8N	New	24.7	16A Nov.-May	-	-	-	CU 19	38-4B 38-8	T 2428 F None T 5800 F None

3-3-21

DWHAM 9N	51053-00175-0000	30.0	16A Nov.-May	-	-	-	CU 19	38-4B	T 2428 F 3, None
DWHAM 10N	51053-00177-0000	14.3	-	-	-	-	CU 19	39-42	T 2249 F 4, 5
DWHAM 11N	51053-00178-0000	9.9	-	-	-	-	CU 19	39-42	T 2249 F 5
DWHAM 12N	51053-00169-0000	1.6	-	-	-	-	CU 19	39-42	T 2249 F 7
DWHAM 13	51053-00176-0000	15.6	-	-	-	-	CU 19	39-42	T 2249 F 1, 2
DWHAM 14	51053-00179-0000	26.5	-	-	-	-	CU 19	39-42	T 2249 F 3
DWHAM 15	51053-00169-0000	13.6	-	-	-	-	CU 19	39-42	T 2249 F 8
TOTAL ACRES IN SITE		297.6							

3-3-21

Report Number: 18-337-0584

Account Number: 70594



Send To: Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

"Every acre...Every year."™

7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 ° Fax 804-271-6446
www.waypointanalytical.com

Grower: Harrison Moody
Dinwiddie

SOIL ANALYSIS REPORT

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 12/03/2018

Date Of Analysis: 12/04/2018

Date Of Report: 12/04/2018

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm	Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
DWHAM- 2 1.6	01437	1.8 L		80	246 VH			45 L	35 L	565 H		5.9	6.86	0.7	3.9
DWHAM- 2 2	01438	2.9 M		99	410 VH			63 L	61 L	935 H		5.8	6.80	1.3	6.6
DWHAM- 4 3	01440	1.7 L		79	350 VH			51 L	46 M	514 M		5.8	6.86	0.7	3.8

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
DWHAM- 2 1.6	3.0	7.5	72.4		17.9			10.8 VH	20 M						
DWHAM- 2 2	2.4	7.7	70.8		19.7			20.4 VH	15 M						
DWHAM- 4 3	3.4	10.1	67.6		18.4			14.1 VH	28 H						

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*

Paucic McGroary

Report Number: 18-337-0584

Account Number: 70594



"Every acre...Every year."™

7621 Whitepine Road, Richmond, VA 23237

Main 804-743-9401 ° Fax 804-271-6446

www.waypointanalytical.com

Send To: Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

Grower: Harrison Moody
Dinwiddie

Date Received: 12/03/2018

Date Of Report: 12/04/2018

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
DWHAM- 1, 6	Adjust pH to 6.8	0	1.5				17			2			
DWHAM- 2	Adjust pH to 6.8	0	1.8				8			2			
DWHAM- 3	Adjust pH to 6.8	0	1.5				14			0			

Comments:

Sample(s) : DWHAM-3,DWHAM-4 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

Our reports and letters are for the exclusive and confidential use of our clients,, and may not be reproduced in whole or part, nor may any reference be made to the work,the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization. Copy right 1977.

Pauric McGroary

Report Number: 17-016-0506

Account Number: 70594



Send To: Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

"Every acre...Every year."™

7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 ° Fax 804-271-6446
www.waypointanalytical.com

Grower: Harrison Moody
Dinwiddie

SOIL ANALYSIS REPORT

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 01/16/2017

Date Of Analysis: 01/17/2017

Date Of Report: 01/17/2017

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
DW HAM-4 4.5	10758	3.2 M		105	114 VH			84 L	100 M	801 M		5.8	6.81	1.2	6.3
DW HAM-5 9	10759	2.3 L		87	435 VH			59 L	40 VL	920 H		5.8	6.81	1.2	6.3
DW HAM-6 13	10760	2.7 M		98	121 VH			104 H	46 L	575 H		6.0	6.87	0.6	4.1
DW HAM-7 10	10762	2.5 L		93	133 VH			113 VH	59 L	612 M		5.6	6.81	1.2	5.0
DW HAM-8 11	10763	3.2 M		106	128 VH			104 M	79 M	767 M		6.2	6.86	0.7	5.5

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
DW HAM-4 4.5	3.4	13.2	63.6		19.0			10.3 VH	21 H						
DW HAM-5 9	2.4	5.3	73.0		19.0			13.9 VH	16 M						
DW HAM-6 13	6.5	9.3	70.1		14.6			7.6 H	33 H						
DW HAM-7 10	5.8	9.8	61.2		24.0			9.3 VH	42 H						
DW HAM-8 11	4.8	12.0	69.7		12.7			9.8 VH	29 H						

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: Pauric McGeary

Pauric McGeary

Report Number: 17-016-0506

Account Number: 70594

*"Every acre...Every year."™*

7621 Whitepine Road, Richmond, VA 23237
 Main 804-743-9401 ° Fax 804-271-6446
 www.waypointanalytical.com

Send To: Recyc Systems Inc
 Susan Trumbo
 8455 Whiteshop Road
 Culpepper VA 22701

Grower: Harrison Moody
 Dinwiddie

Date Received: 01/16/2017

Date Of Report: 01/17/2017

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
DW HAM-4 4.5	Adjust pH to 6.8	0	1.5				0			0			
DW HAM-5 9	Adjust pH to 6.8	0	1.5				40			2			
DW HAM-6 13	Adjust pH to 6.8	0	1.3				34			0			
DW HAM-7 16	Adjust pH to 6.8	0	1.8				21			0			
DW HAM-8 11	Adjust pH to 6.8	0	1.3				1			0			

Comments:**Sample(s) : DW HAM-5,DW HAM-6,DW HAM-7,DW HAM-8 Crop: Adjust pH to 6.8**

Apply dolomitic lime to raise pH and improve the magnesium level.

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

Our reports and letters are for the exclusive and confidential use of our clients,, and may not be reproduced in whole or part, nor may any reference be made to the work,the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization. Copy right 1977.

Pauric McGroary

Report Number: 17-016-0506

Account Number: 70594

*"Every acre...Every year."™*

7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 ° Fax 804-271-6446
www.waypointanalytical.com

Send To: Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

Grower: Harrison Moody
Dinwiddie

SOIL ANALYSIS REPORT

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 01/16/2017

Date Of Analysis: 01/17/2017

Date Of Report: 01/17/2017

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
DW HAM- 10 14	10764	3.1 M		104	170 VH			83 L	50 L	824 H		6.3	6.87	0.6	5.3
DW HAM- 10 12, 15	10765	3.4 M		108	132 VH			45 VL	68 L	1062 H		6.2	6.85	0.8	6.8

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
DW HAM- 10 14	4.0	7.9	77.7		11.3			9.2 VH	32 H						
DW HAM- 10 12, 15	1.7	8.3	78.1		11.8			7.5 H	22 H						

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGeary*

Paucic McGroary

Report Number: 17-016-0506

Account Number: 70594



7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 ° Fax 804-271-6446
www.waypointanalytical.com

Send To: Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

"Every acre...Every year."™

Grower: Harrison Moody
Dinwiddie

Date Received: 01/16/2017
Date Of Report: 01/17/2017

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
DW HAM-14	Adjust pH to 6.8	0	1.0				30			0			
DW HAM-12.15	Adjust pH to 6.8	0	1.3				12			0			

Comments:

Sample(s) : DW HAM-10 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

Our reports and letters are for the exclusive and confidential use of our clients,, and may not be reproduced in whole or part, nor may any reference be made to the work,the results, or the company in any advertising, news release, or other public anouncements without obtaining our prior written authorization. Copy right 1977.

Paucic McGroary

Paucic McGroary

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Fall, 2019-Winter, 2021)
Harrison A. Moody
Planner: John Doe

Tract: 2200

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2, 4, 5/DWHAM 1(N)	16/16	2019	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
		2020	*** **	---									
3, 4/DWHAM 2(N)	23/23	2019	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
		2020	*** **	---									
4, 18, 20/DWHAM 3(N)	29/29	2019	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
		2020	*** **	---									
6, 7, 8, 16, 17, 19/DWHAM 4(N)	37/37	2019	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
		2020	*** **	---									
12, 13, 14, 15/DWHAM 5(N)	18/18	2019	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
		2020	*** **	---									
9, 10, 11/DWHAM 6(N)	16/16	2019	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
		2020	*** **	---									

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 2249

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
4, 5/DWHAM 10(N)	14/14	2019 2020	Wheat (grain)	100-60-60 -- --	20/0				80-60-60	N/A			
5/DWHAM 11(N)	10/10	2019 2020	Wheat (grain)	100-60-60 -- --	20/0				80-60-60	N/A			
7/DWHAM 12(N)	2/2	2019 2020	Wheat (grain)	100-60-60 -- --	20/0				80-60-60	N/A			
1, 2/DWHAM 13(N)	16/16	2019 2020	Wheat (grain)	100-60-60 -- --	20/0				80-60-60	N/A			
3/DWHAM 14(N)	27/27	2019 2020	Wheat (grain)	100-60-60 -- --	20/0				80-60-60	N/A			
8/DWHAM 15(N)	14/14	2019 2020	Wheat (grain)	100-60-60 -- --	20/0				80-60-60	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 2428

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
None/DWHAM 8(N)	25/25	2019	Fescue hay estb.	40-130-130	0/0				40-130-130	N/A			
		2020	Fescue grass hay mt.	70-50-95	0/0				70-180-225	N/A			
		2021	70-50-95	0/0				70-230-320	N/A			
3/DWHAM 9(N)	30/30	2019	Fescue hay estb.	40-130-130	0/0				40-130-130	N/A			
		2020	Fescue grass hay mt.	70-50-95	0/0				70-180-225	N/A			
		2021	70-50-95	0/0				70-230-320	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 5800

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2 /DWHAM 7(N)	23/23	2019 2020	Wheat (grain) Soybeans (DC)	100-60-60 --- -- 0-60-60	0/0 0/0				100-60-60 0-120-120	N/A N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
2200	DWHAM 1	16	[No Test]						
2200	DWHAM 2	23	[No Test]						
2200	DWHAM 3	29	[No Test]						
2200	DWHAM 4	37	[No Test]						
2200	DWHAM 5	18	[No Test]						
2200	DWHAM 6	16	[No Test]						
2249	DWHAM 10	14	[No Test]						
2249	DWHAM 11	10	[No Test]						
2249	DWHAM 12	2	[No Test]						
2249	DWHAM 13	16	[No Test]						
2249	DWHAM 14	27	[No Test]						
2249	DWHAM 15	14	[No Test]						
2428	DWHAM 8	25	[No Test]						
2428	DWHAM 9	30	[No Test]						
5800	DWHAM 7	23	[No Test]						

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
2200	2200/1, 2, 4	DWHAM 1	16	Appling	IVb	III	III	III	
	2200/3, 4	DWHAM 2	23	Appling	IVa	II	III	III	
	2200/4, 18,	DWHAM 3	29	Appling	IVa	II	III	III	
	2200/6, 7, 8	DWHAM 4	37	Appling	IVa	II	III	III	
	2200/12, 13,	DWHAM 5	18	Appling	IVa	II	III	III	
	2200/9, 10,	DWHAM 6	16	Appling	IVa	II	III	III	
2249	2249/4, 5	DWHAM 10	14	Cecil	IVa	II	III	II	
	2249/5	DWHAM 11	10	Cecil	IVa	II	III	II	
	2249/7	DWHAM 12	2	Cecil	IVa	II	III	II	
	2249/1, 2	DWHAM 13	16	Cecil	IVa	II	III	II	
	2249/3	DWHAM 14	27	Cecil	IVa	II	III	II	
	2249/8	DWHAM 15	14	Cecil	IVa	II	III	II	
2428	2428/Non e	DWHAM 8	25	Appling	IVb	III	III	IV	
	2428/3	DWHAM 9	30	Appling	IVa	III	III	III	
5800	5800/1, 2	DWHAM 7	23	Appling	IVa	II	III	III	

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: **New Plan** **Fall, 2019 - Winter, 2021**

Farm Name: **Harrison A. Moody**

Location: Dinwiddie

Specialist: John Doe

N-based Acres: 297.6

P-based Acres: 0.0

Tract Name: **2200**

FSA Number: 2200

Location: Dinwiddie

Field Name: **DWHAM 1**

Total Acres: 16.30 Usable Acres: 16.30

FSA Number: 1, 2, 4, 5

Tract: 2200

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
50	2B	Appling
26	2C	Appling
23	9B	Helena

Field Warnings:

Field Name: DWHAM 2

Total Acres: 22.50 Usable Acres: 22.50

FSA Number: 3, 4

Tract: 2200

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
3	9B	Helena
29	2C	Appling
67	2B	Appling

Field Warnings:

Field Name: DWHAM 3

Total Acres: 28.60 Usable Acres: 28.60

FSA Number: 4, 18, 20

Tract: 2200

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
74	2B	Appling
26	2C	Appling

Field Warnings:

Field Name: DWHAM 4

Total Acres: 37.30 Usable Acres: 37.30

FSA Number: 6, 7, 8, 16, 17, 19

Tract: 2200

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
---------	--------	-------------

36	2C	Appling
64	2B	Appling

Field Warnings:

Field Name: DWHAM 5

Total Acres: 17.80 Usable Acres: 17.80

FSA Number: 12, 13, 14, 15

Tract: 2200

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
77	2B	Appling
23	2C	Appling

Field Warnings:

Field Name: DWHAM 6

Total Acres: 16.20 Usable Acres: 16.20

FSA Number: 9, 10, 11

Tract: 2200

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	2B Appling	

Field Warnings:

Tract Name: 2249

FSA Number: 2249

Location: Dinwiddie

Field Name: DWHAM 10

Total Acres: 14.30 **Usable Acres:** 14.30

FSA Number: 4, 5

Tract: 2249

Location: Dinwiddie

Slope Class: B **Hydrologic Group:** B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	4B Cecil	

Field Warnings:**Field Name: DWHAM 11**

Total Acres: 9.90 Usable Acres: 9.90

FSA Number: 5

Tract: 2249

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	4B Cecil	

Field Warnings:**Field Name: DWHAM 12**

Total Acres: 1.60 Usable Acres: 1.60

FSA Number: 7

Tract: 2249

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	4B Cecil	

Field Warnings:

Field Name: DWHAM 13

Total Acres: 15.60 Usable Acres: 15.60

FSA Number: 1, 2

Tract: 2249

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
59	4B	Cecil
41	4C	Cecil

Field Warnings:**Field Name: DWHAM 14**

Total Acres: 26.50 Usable Acres: 26.50

FSA Number: 3

Tract: 2249

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
18	4C	Cecil
82	4B	Cecil

Field Warnings:**Field Name: DWHAM 15**

Total Acres: 13.60 Usable Acres: 13.60

FSA Number: 8

Tract: 2249

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
32	4B	Cecil
68	4C	Cecil

Field Warnings:

Tract Name: 2428

FSA Number: 2428

Location: Dinwiddie

Field Name: DWHAM 8

Total Acres: 24.70 Usable Acres: 24.70

FSA Number: None

Tract: 2428

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
33	16A	Roanoke
15	2C	Appling
51	2B	Appling

Field Warnings:

Field Name: DWHAM 9

Total Acres: 30.00 Usable Acres: 30.00

FSA Number: 3

Tract: 2428

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
71	2B	Appling
14	2C	Appling
15	16A	Roanoke

Field Warnings:

Tract Name: 5800

FSA Number: 5800

Location: Dinwiddie

Field Name: DWHAM 7

Total Acres: 22.70 Usable Acres: 22.70

FSA Number: 1, 2

Tract: 5800

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

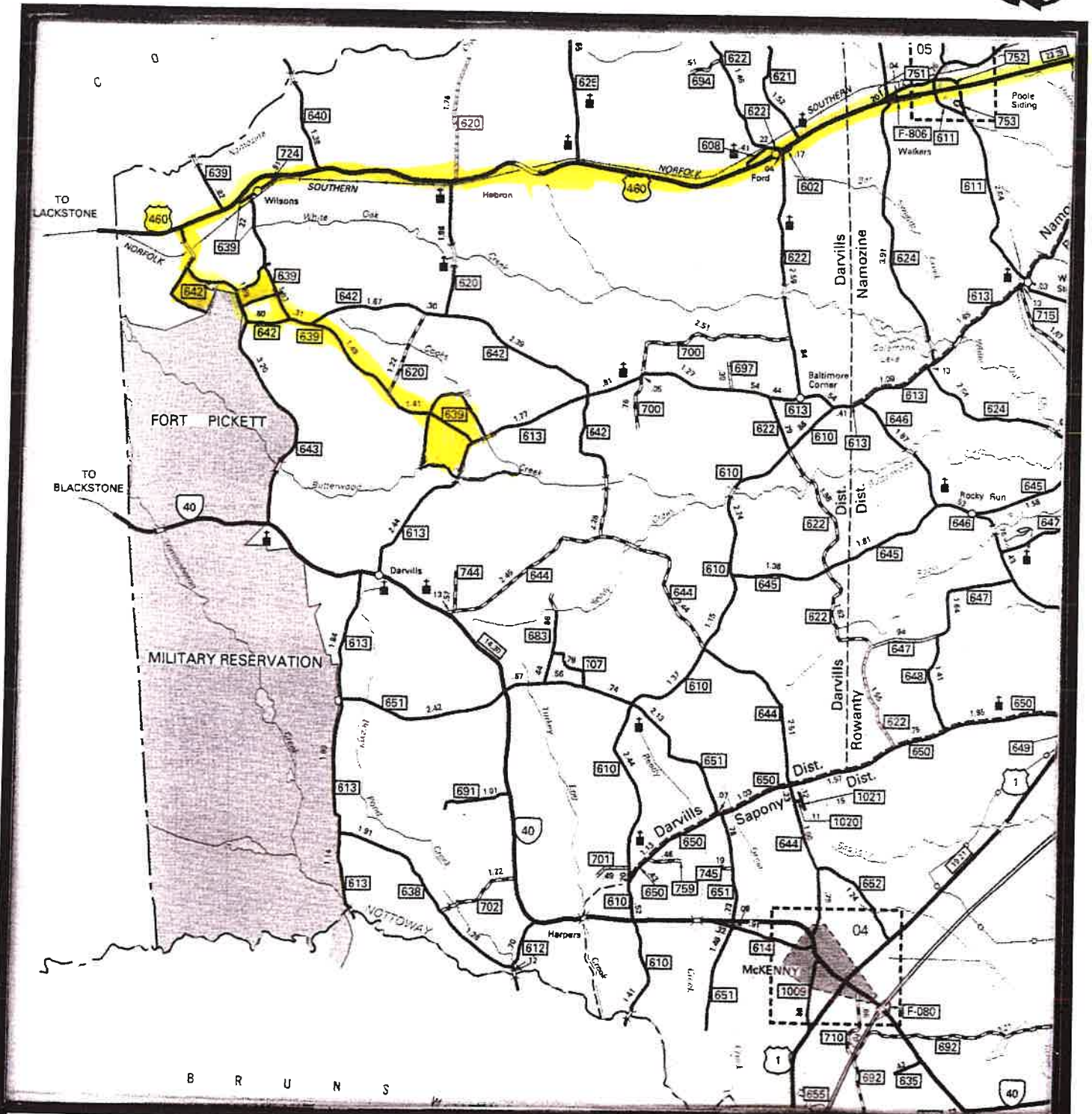
PERCENT	SYMBOL	SOIL SERIES
90	2B	Appling
10	2C	Appling
1	16A	Roanoke

Field Warnings:

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 miles

DWHAM 1-15

11-18-19

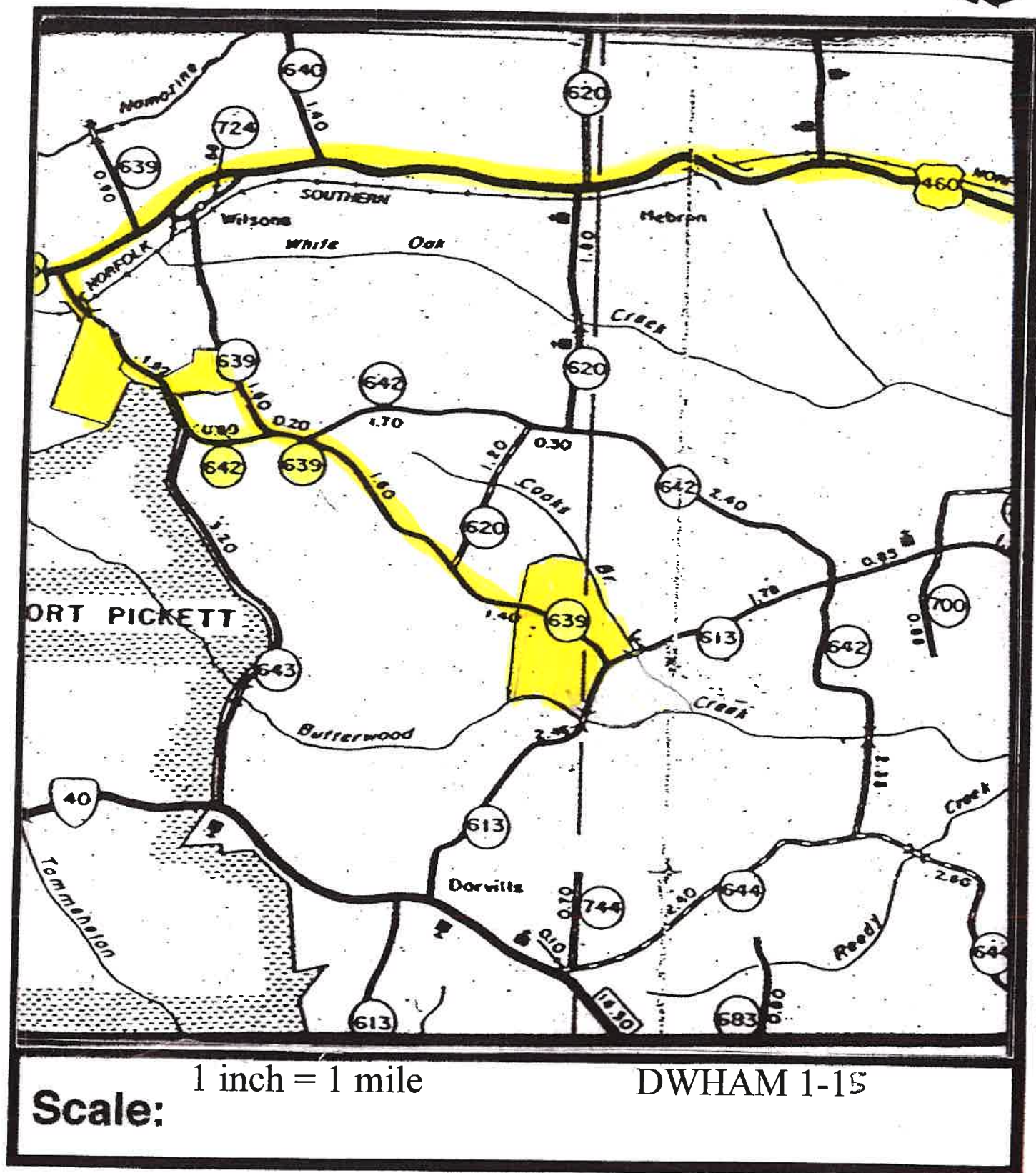
VICINITY MAP

Truck Route marked
in Yellow



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale:

1 inch = 1 mile

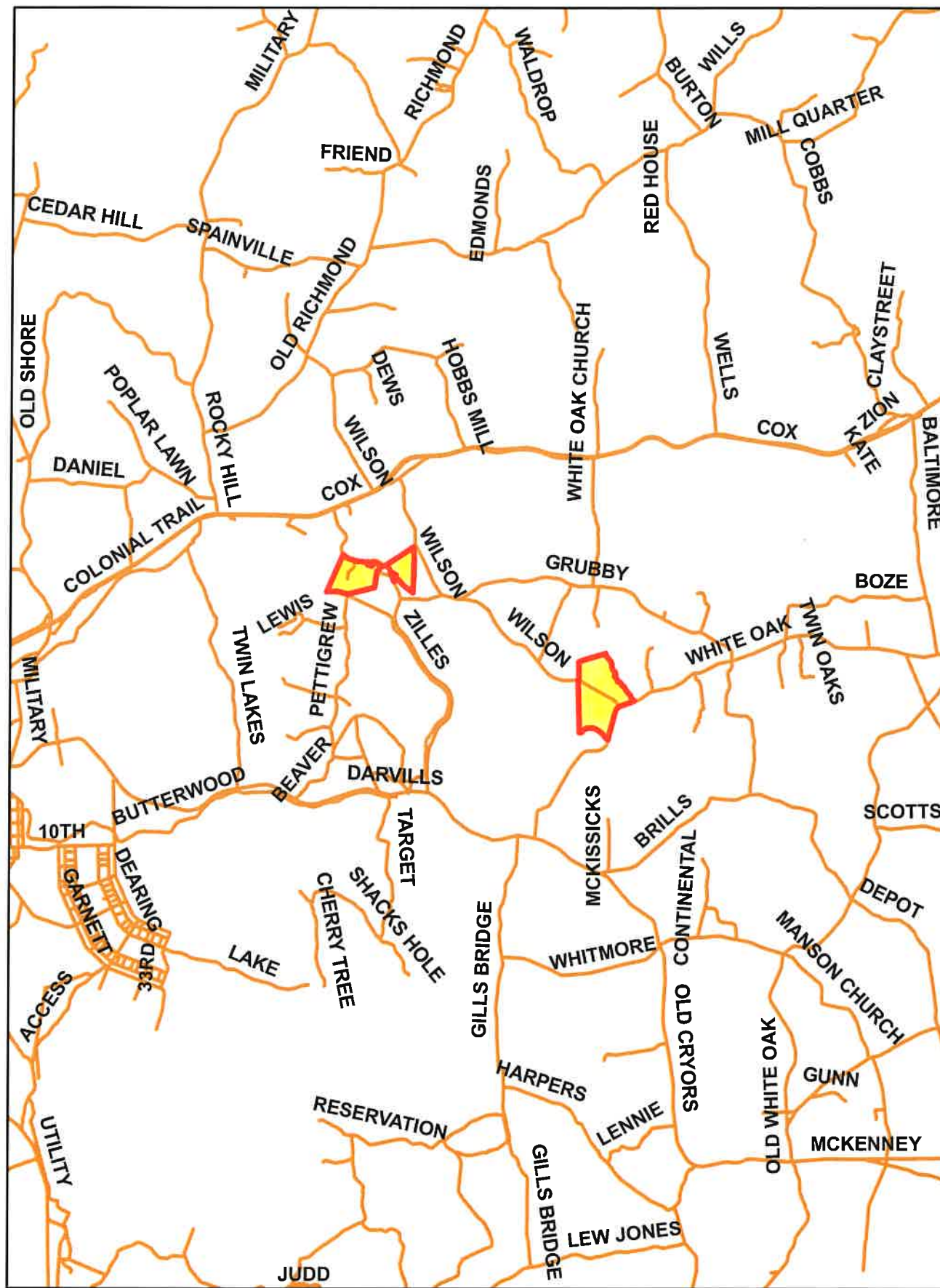
DWHAM 1-15

11-18-19

Truck Route marked
in Yellow

VICINITY MAP



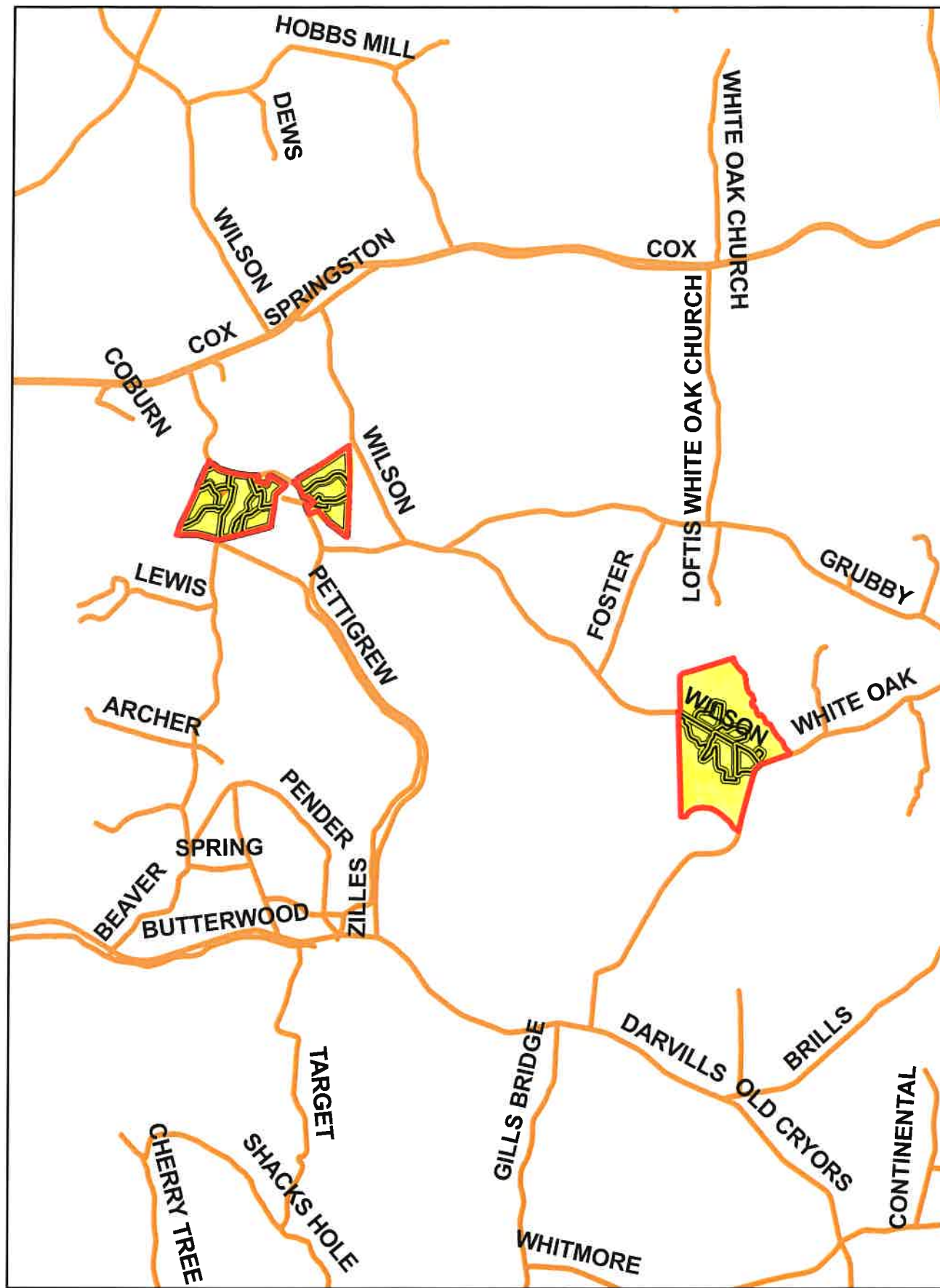


11-18-19

Vicinity Map

1 in = 2 miles





11-18-19

Vicinity Map

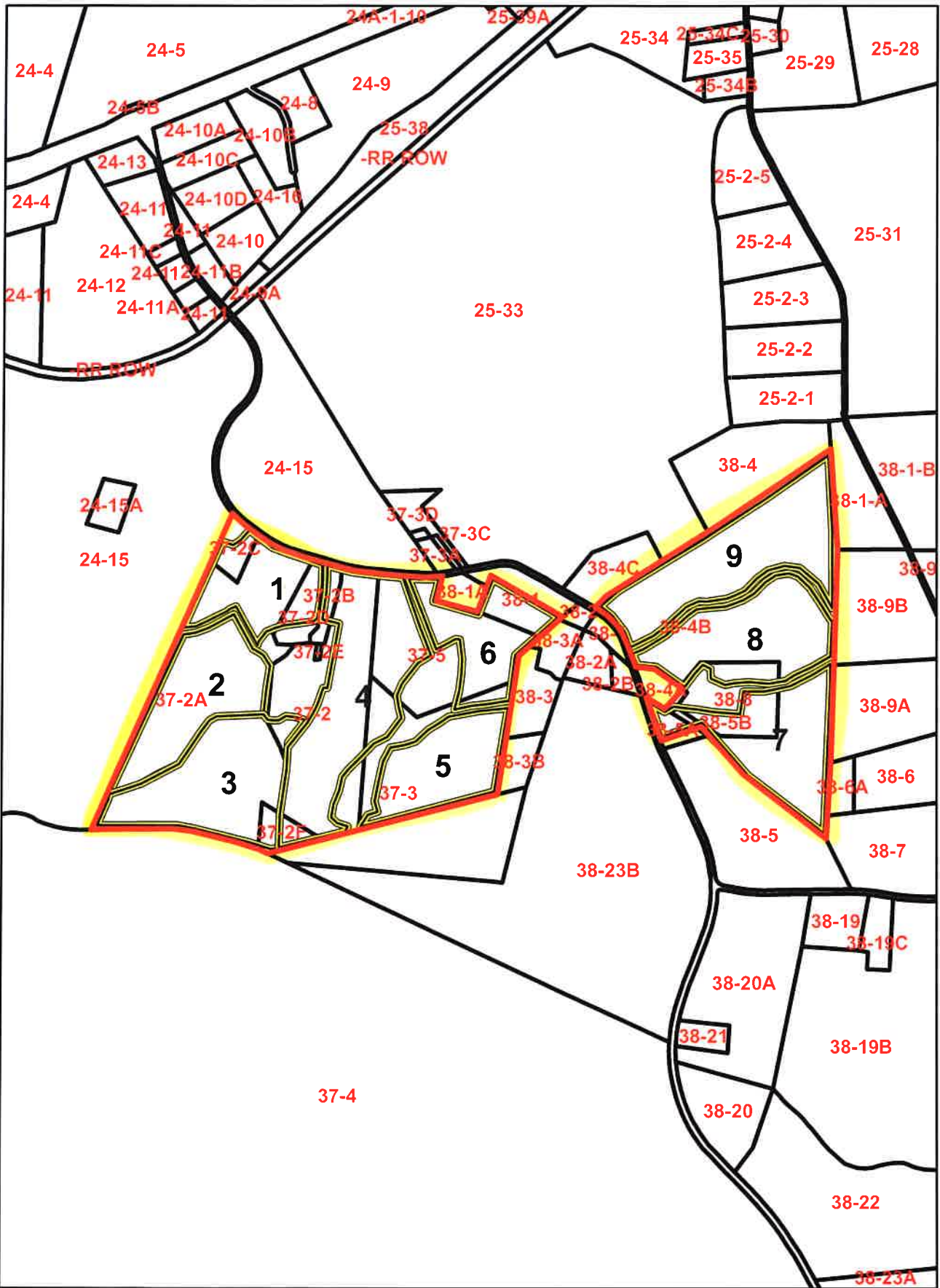
1 in = 1 miles





Harrison A. Moody

DWHAM

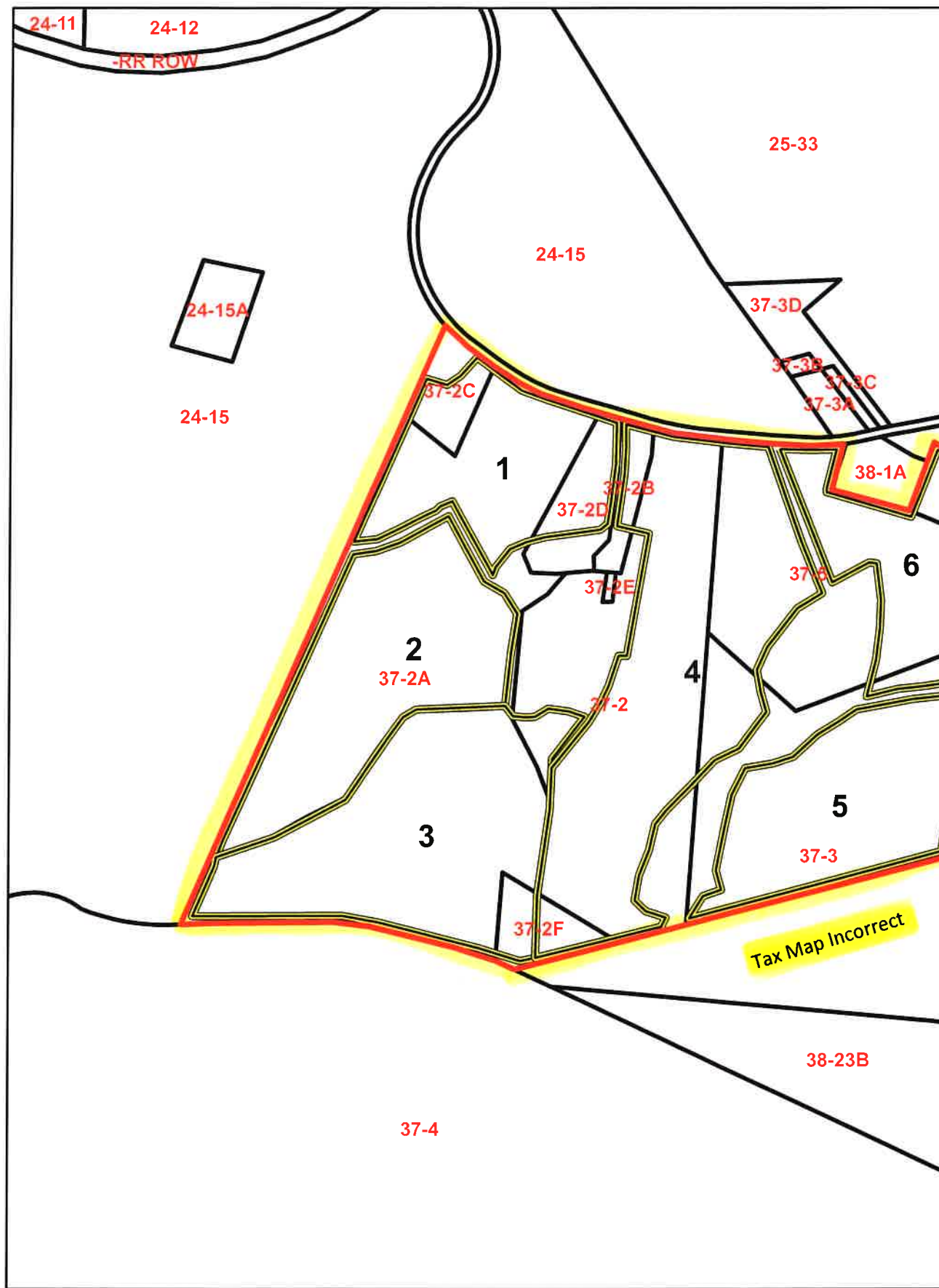


11-18-19

Tax Map

1 in = 1,250 feet



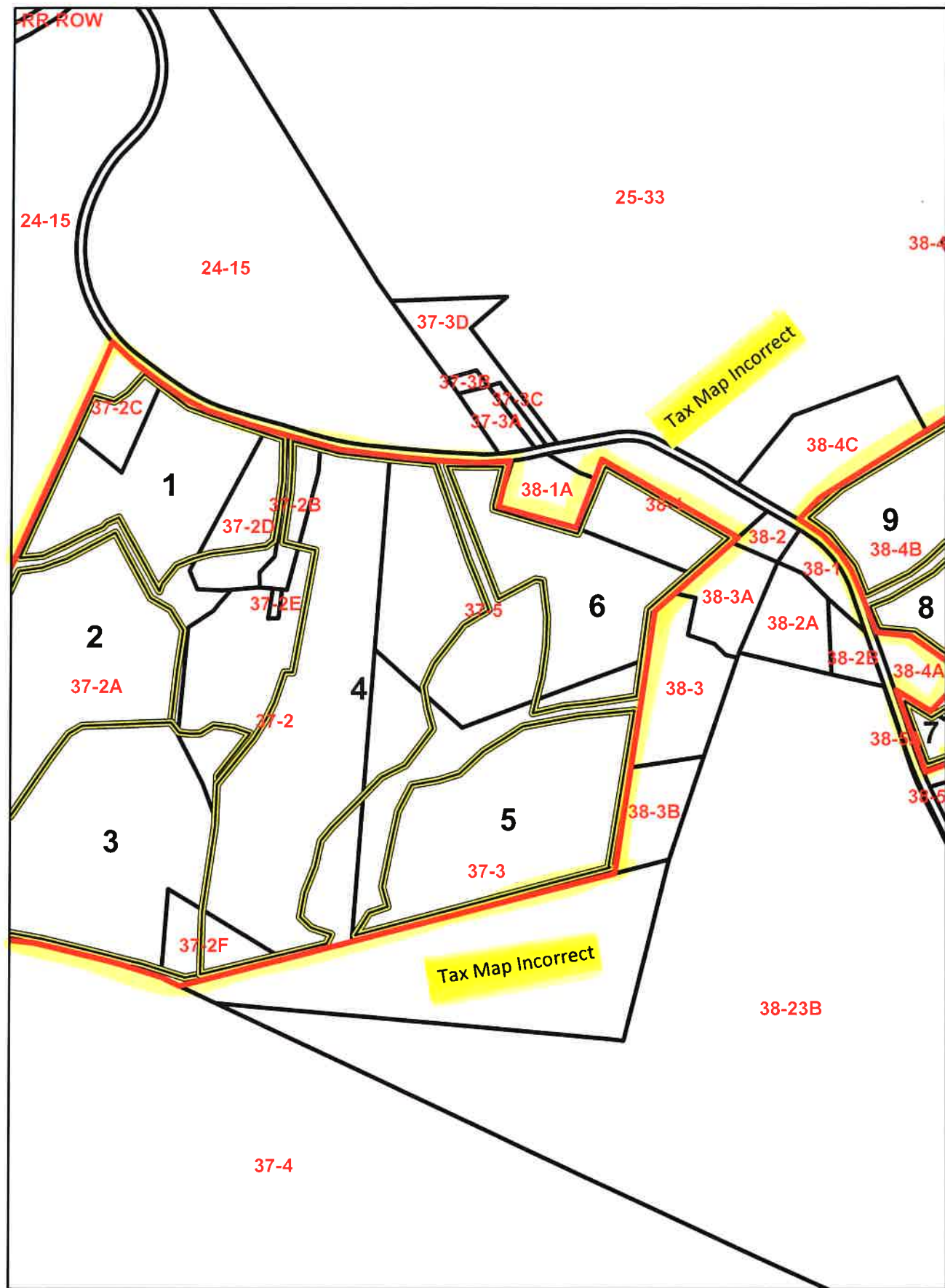


11-18-19

Tax Map

1 in = 660 feet



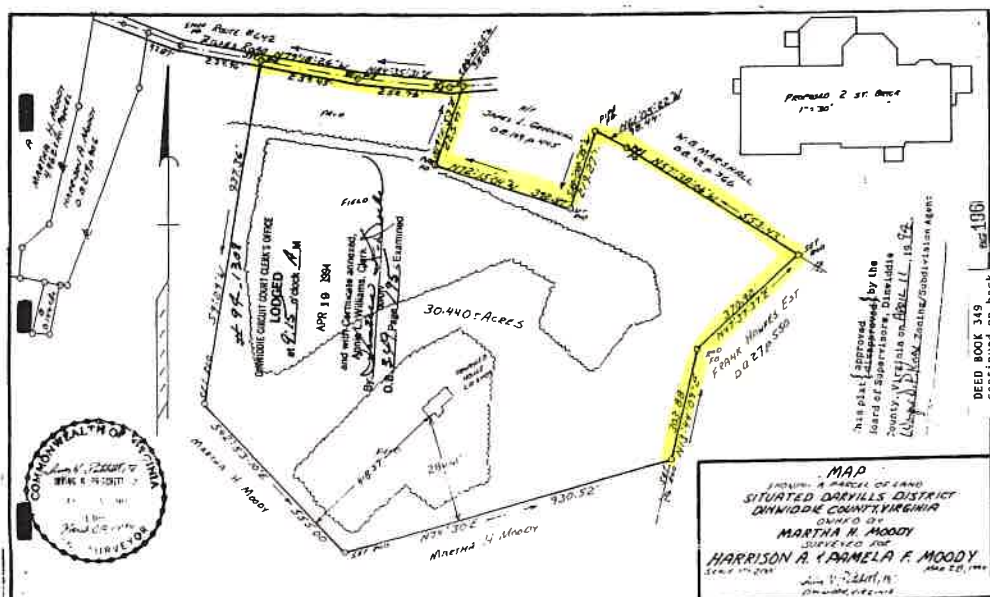


11-18-19

Tax Map

1 in = 660 feet





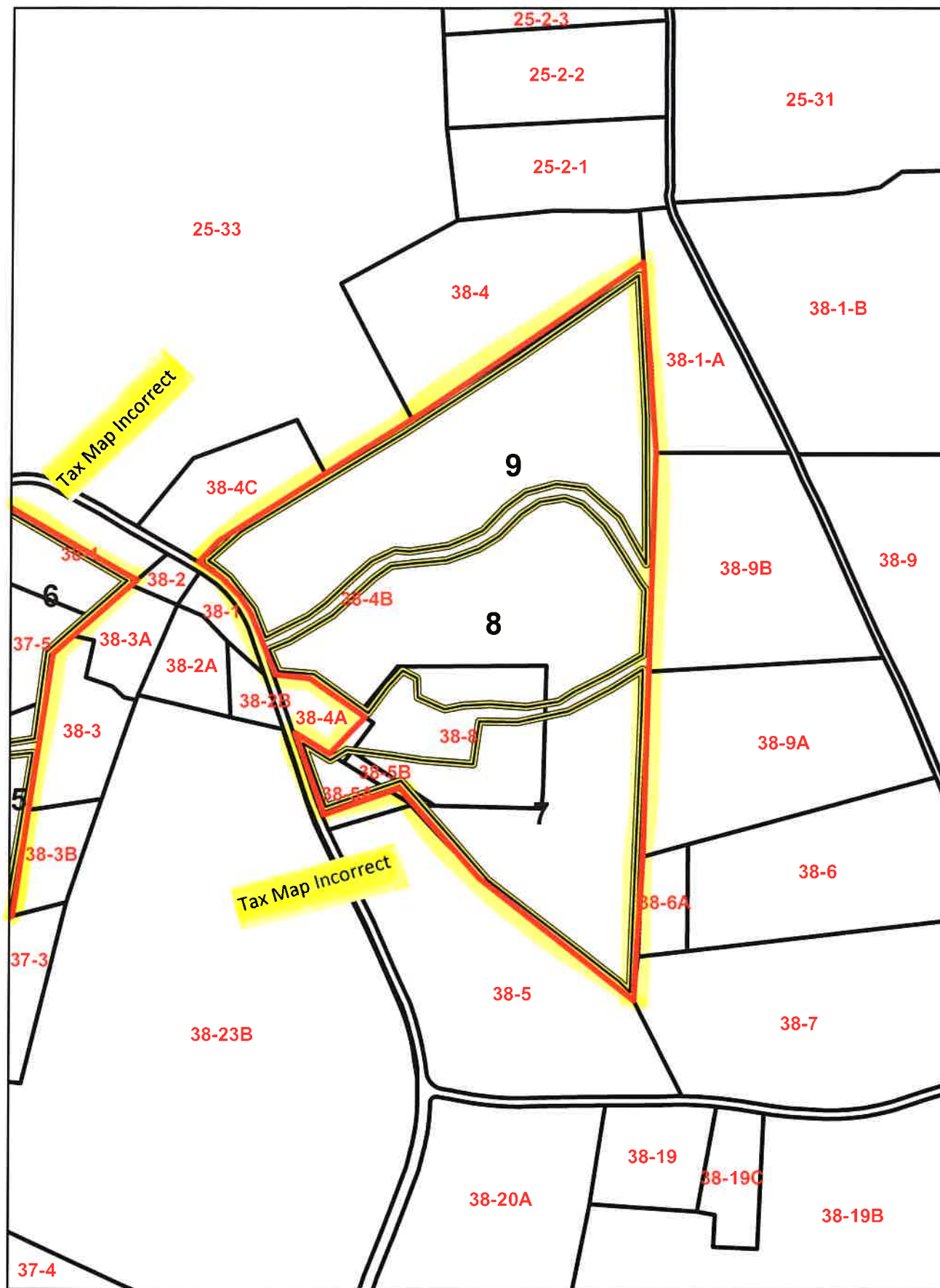
* Supplemental Plat *

Scale: Not to scale

DW/HAM

TAX MAP





11-18-19

Tax Map

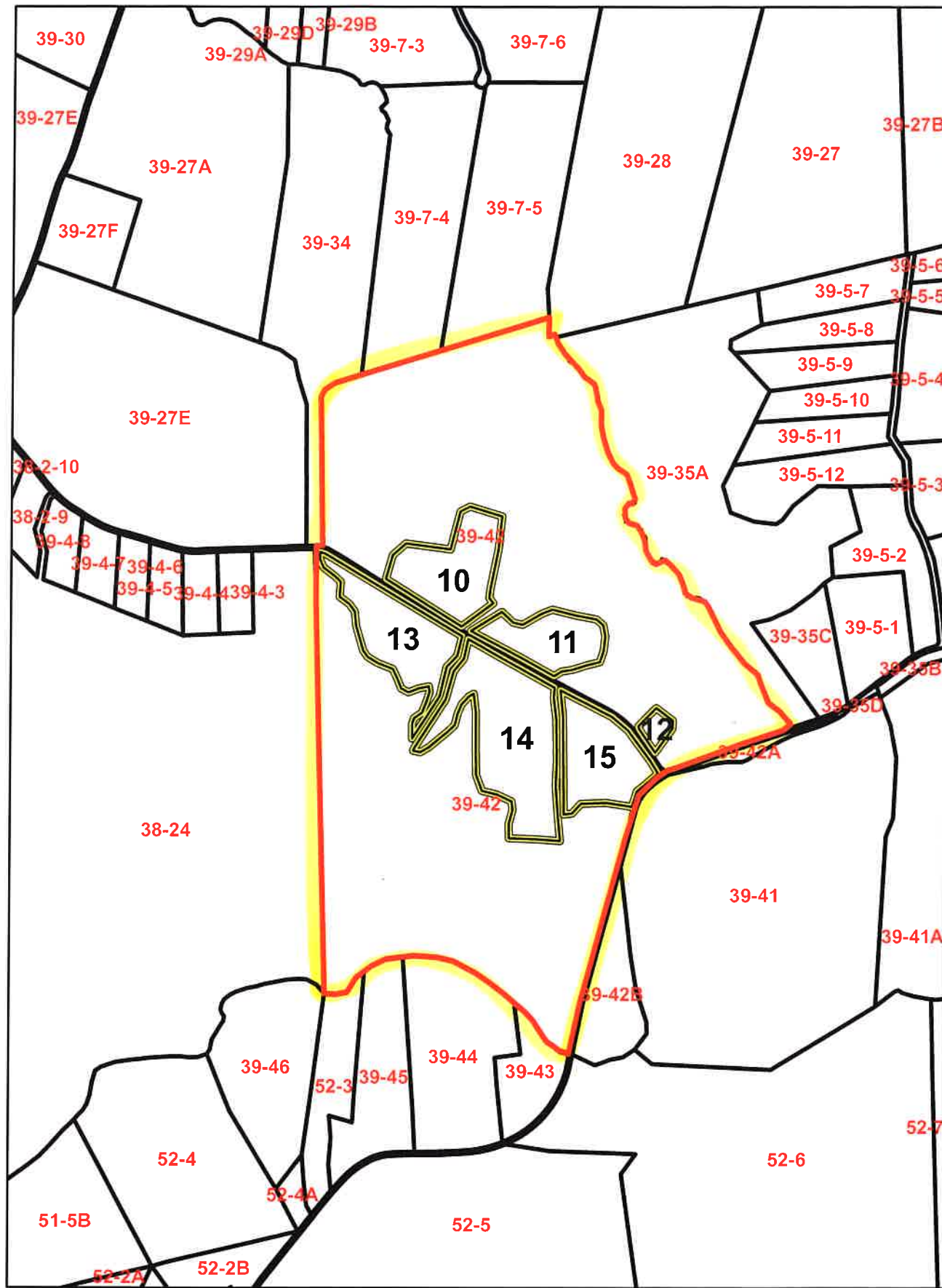
1 in = 660 feet





Harrison A. Moody

DWHAM

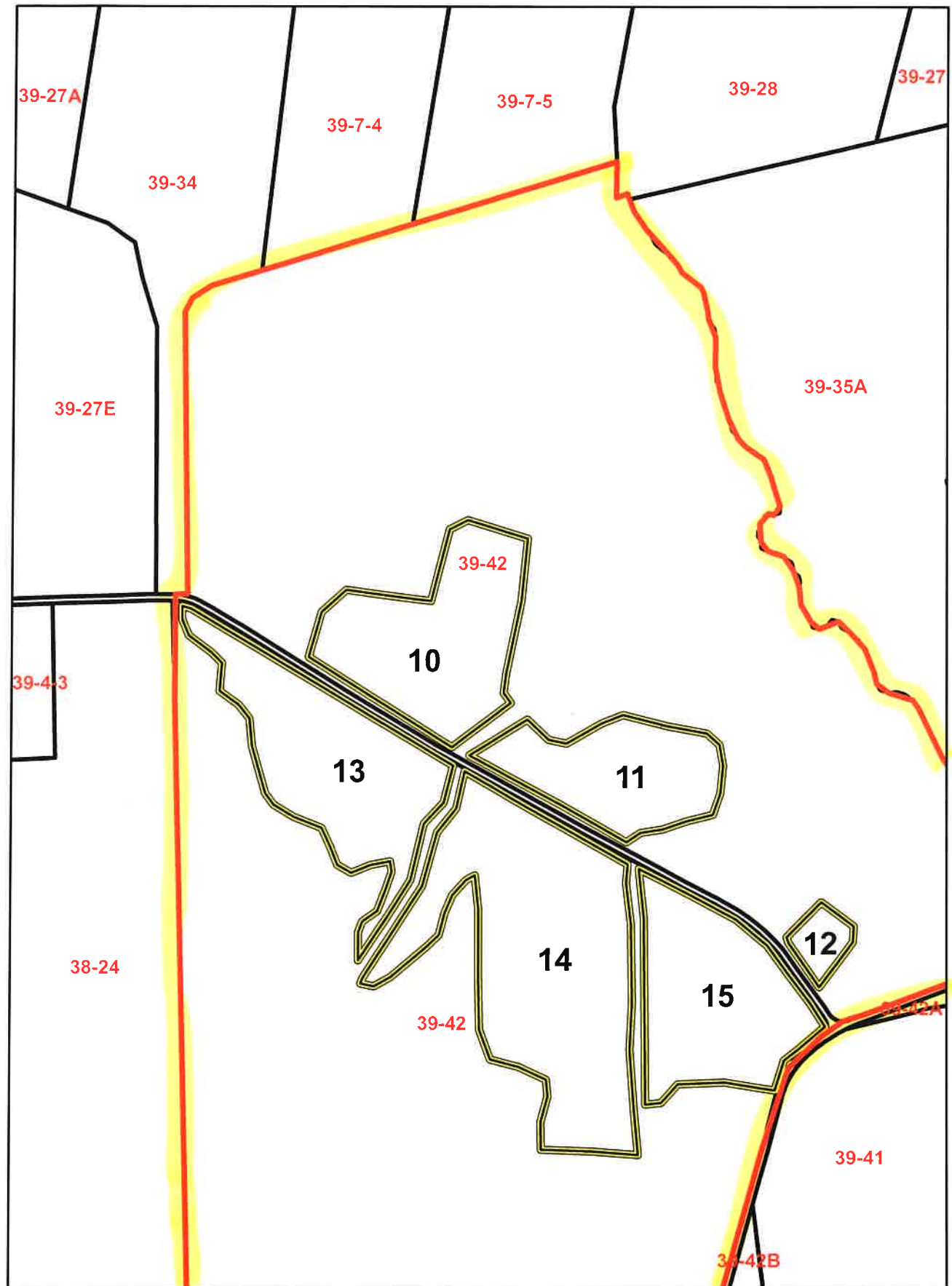


11-18-19

Tax Map

1 in = 1,250 feet



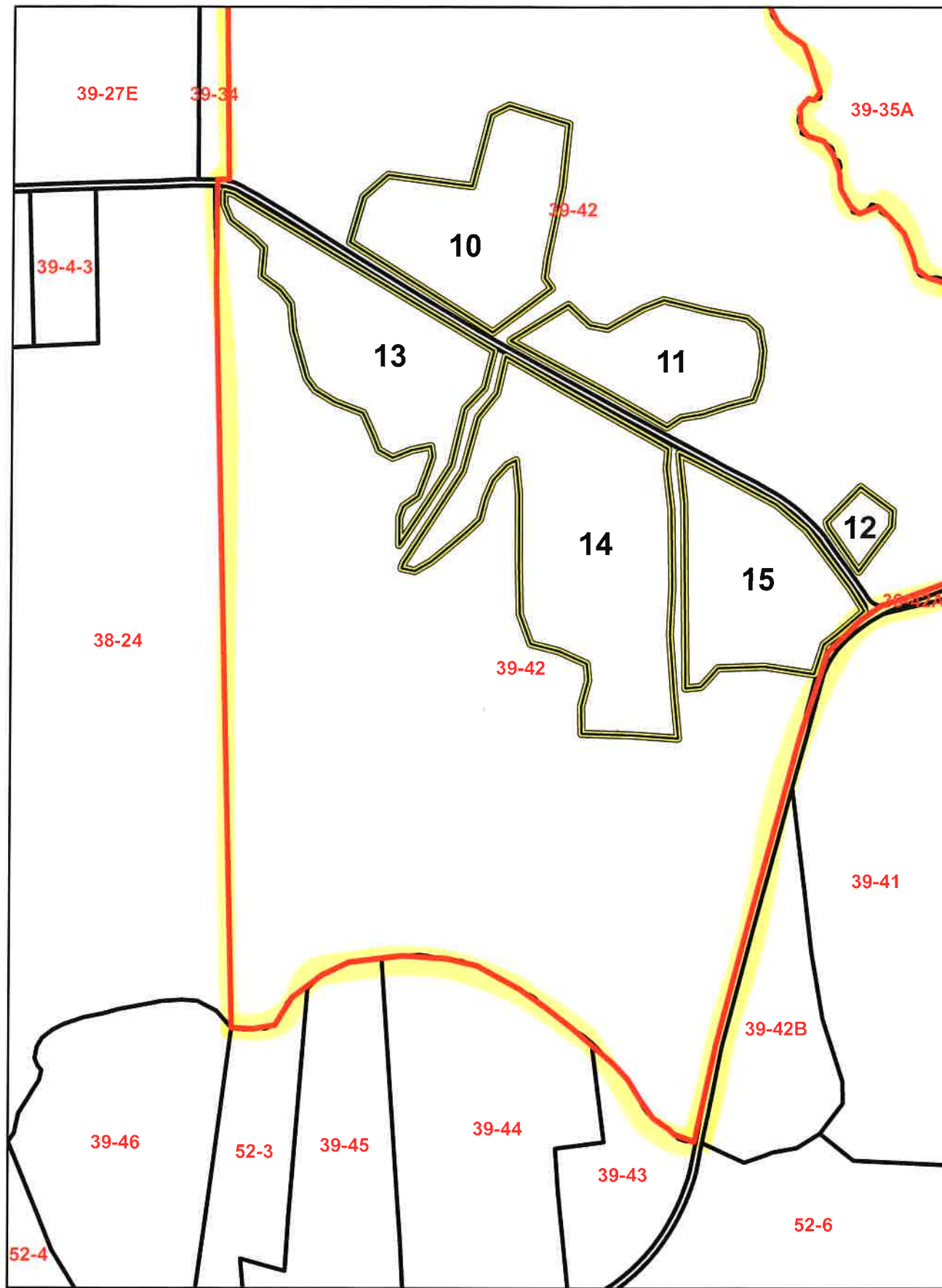


11-18-19

Tax Map

1 in = 660 feet



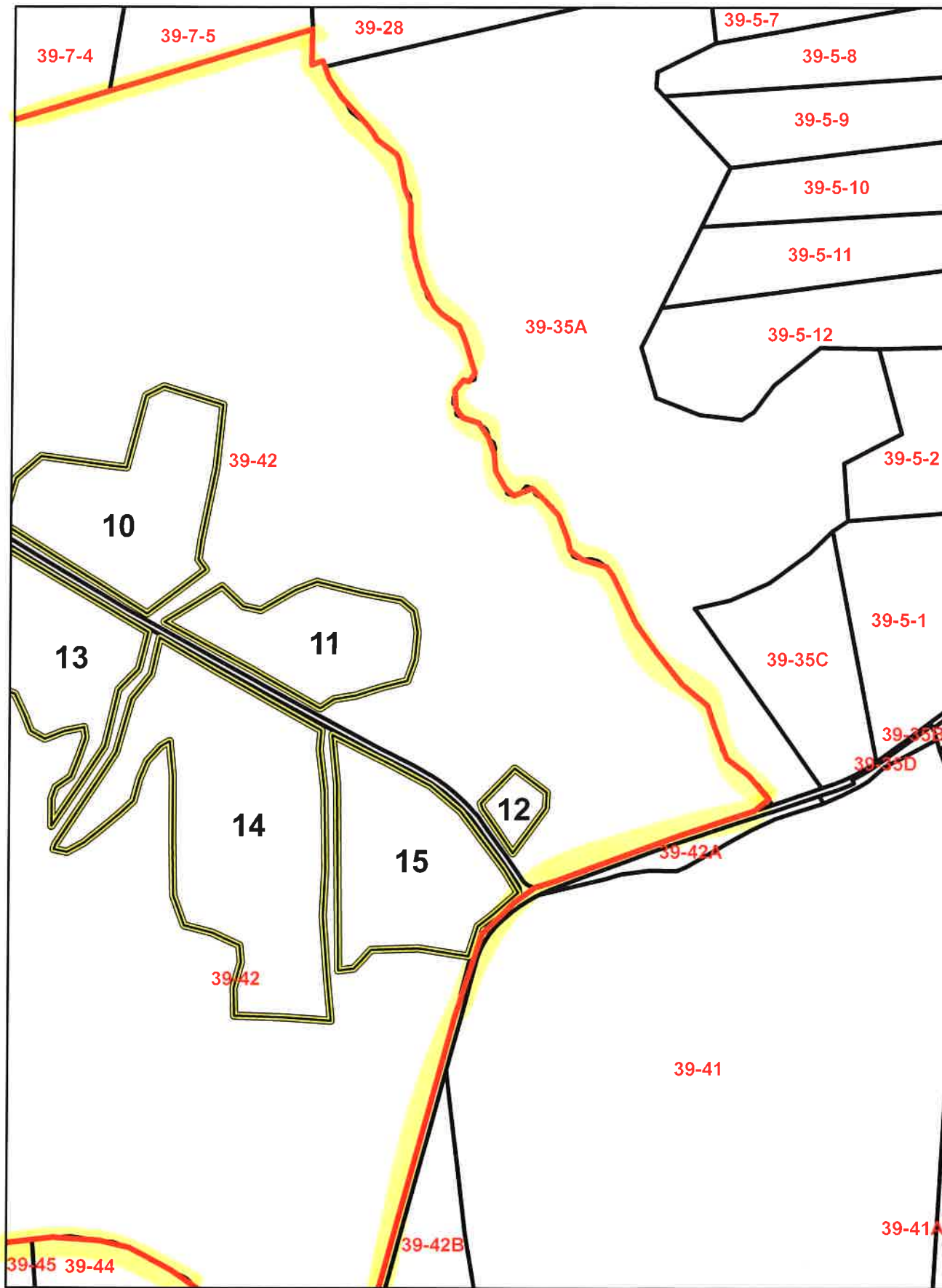


11-18-19

Tax Map

1 in = 660 feet





11-18-19

Tax Map

1 in = 660 feet



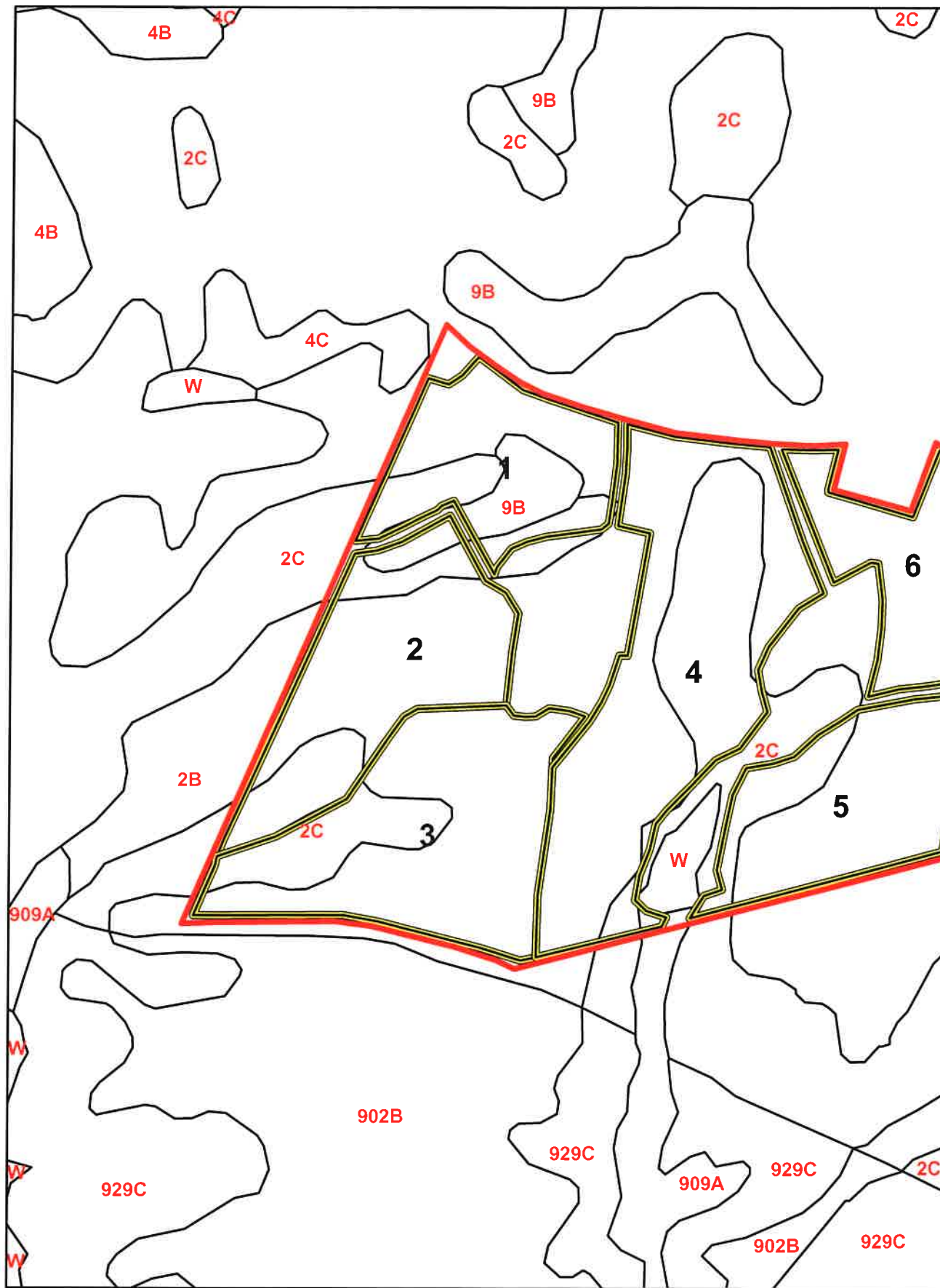
ADJOINING LANDOWNERS

HARRISON A. MOODY

DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
24	15	Marion Hays Coburn Estate c/o Kennon C. Walden
25	33	James F. Jr. and John T. Emerson
37	3A	Harrison A. Moody
	4	U S A c/o Sup. Petersburg Natl Battlefield
38	1	WB & Kate Marshall c/o Bettie Perry
	1A	Patricia D. Greenhill
	2	Annie H. Claiborne Life Estate c/o Beverly W. Claiborne
	2B	Thomas A. Jordan
	3	Rosa Mae Hawkes Life Estate c/o Macktoy Hawkes
	3A	Cathy S. Hawkes
	3B	Keith J. Hawkes
	4	James F. Jr. and John T. Emerson
	4A	Subcarrier Communications Inc.
	4C	John Thomas Emerson
	5	Robert John and Mary Katherine Rossi
	5C	Robert John and Mary Katherine Rossi
	6A	Robert Curtis Blair Jr. and Betty Kay Blair McLoughlin
	7	Robert Curtis Blair Jr. and Betty Kay Blair McLoughlin
	9A	William Cole Sr. and Catherine L. Tapp
	9B	Carla W. Brandon
	23B	Sarah L. Gibbs Estate c/o Mary Wadford
	24	Ward Burton Wildlife Foundation
38-1	A	Beverly Brandon Pressly
39	28	Stonewall Timberlands LLC
	34	Hartsel R. Hawkins
	35A	Tiaa Timberlands 1 LLC c/o Greenwood Resources Inc.

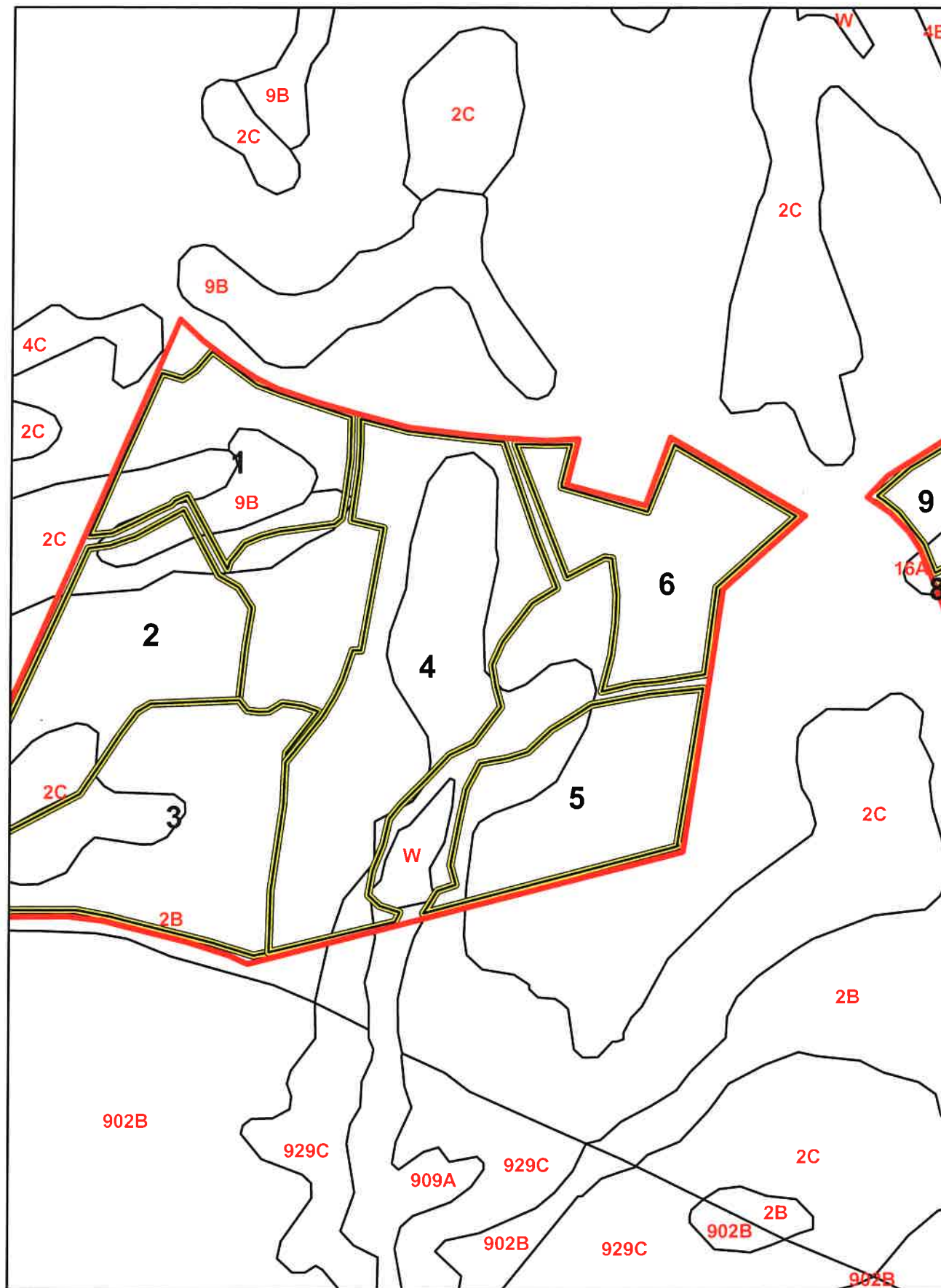
Tax Map	Parcel #	Owner Name(s)
39	41	James A. Medeiros or Cyrille A. Young
	42B	Mark D. Newton
	43	Christopher Cousins
	44	Raymond E. Clarke
		Claristine J. Moore & James J. & Beverly Ann & El-Amin
	45	Mildred Moore
	46	Kenneth Scott Winn
39-7		The Family Trust of Michael T. Smoot & The Family Trust of
	4	Susan Dean
	5	Virginia A. Downing
52	3	James J. and Patricia A. Moore
	6	G. Ranson Delores Revocable Trust Tamara R. Anderson Trustee



11-18-19
Frequently
Flooded

Soil Map

1 in = 660 feet



N

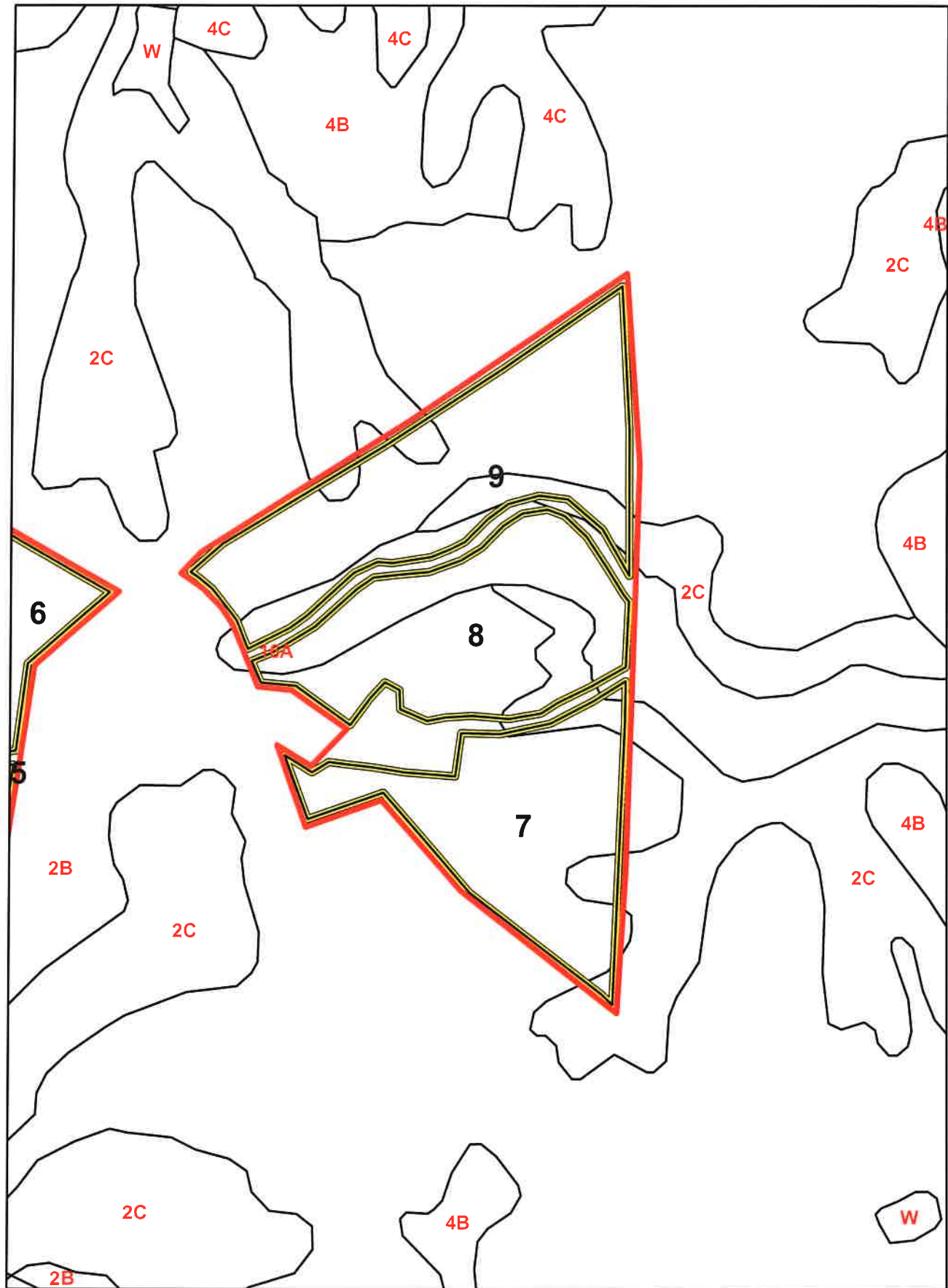


11-18-19

Frequently
Flooded

Soil Map

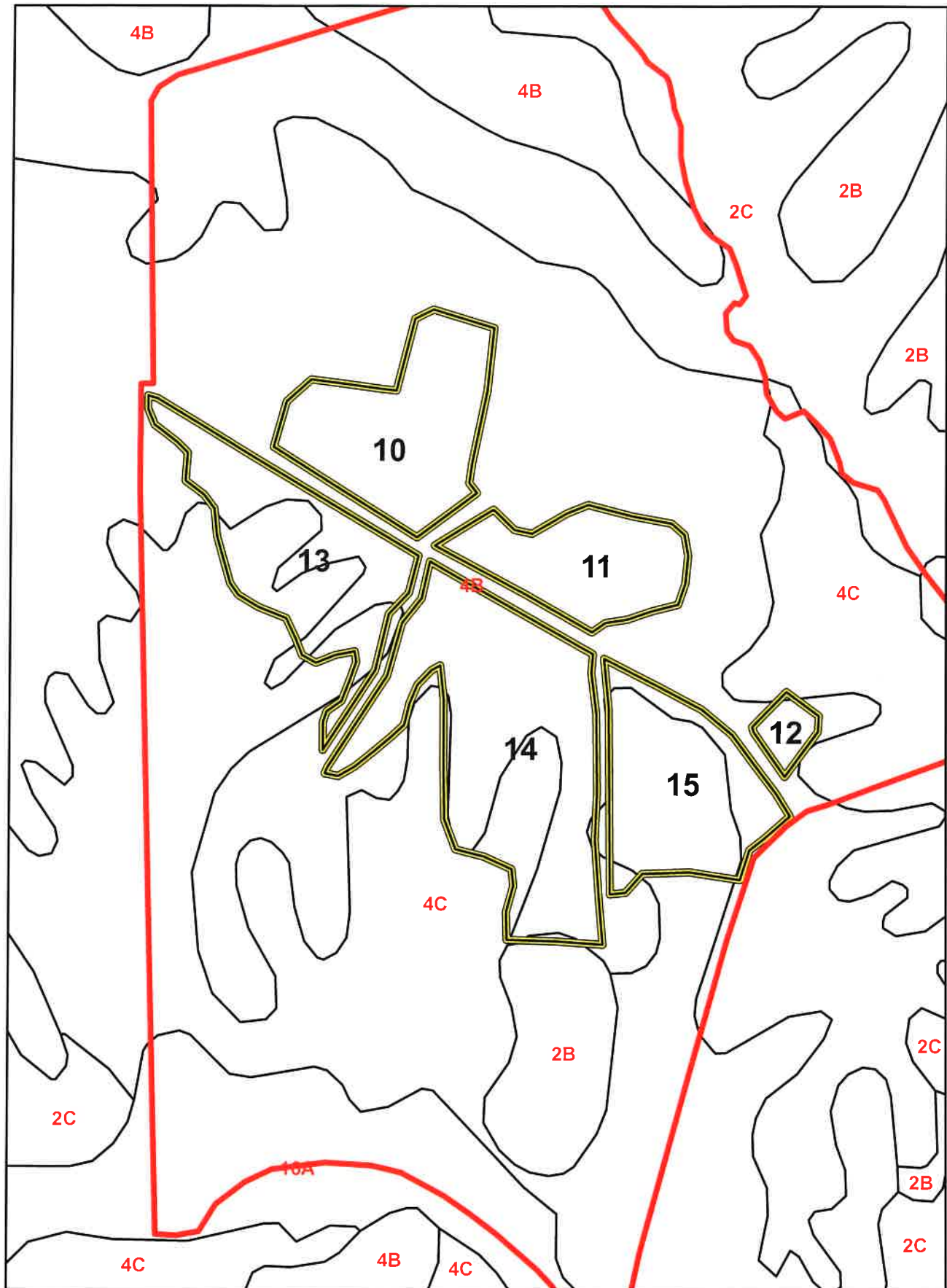
1 in = 660 feet



11-18-19
Frequently
Flooded

Soil Map

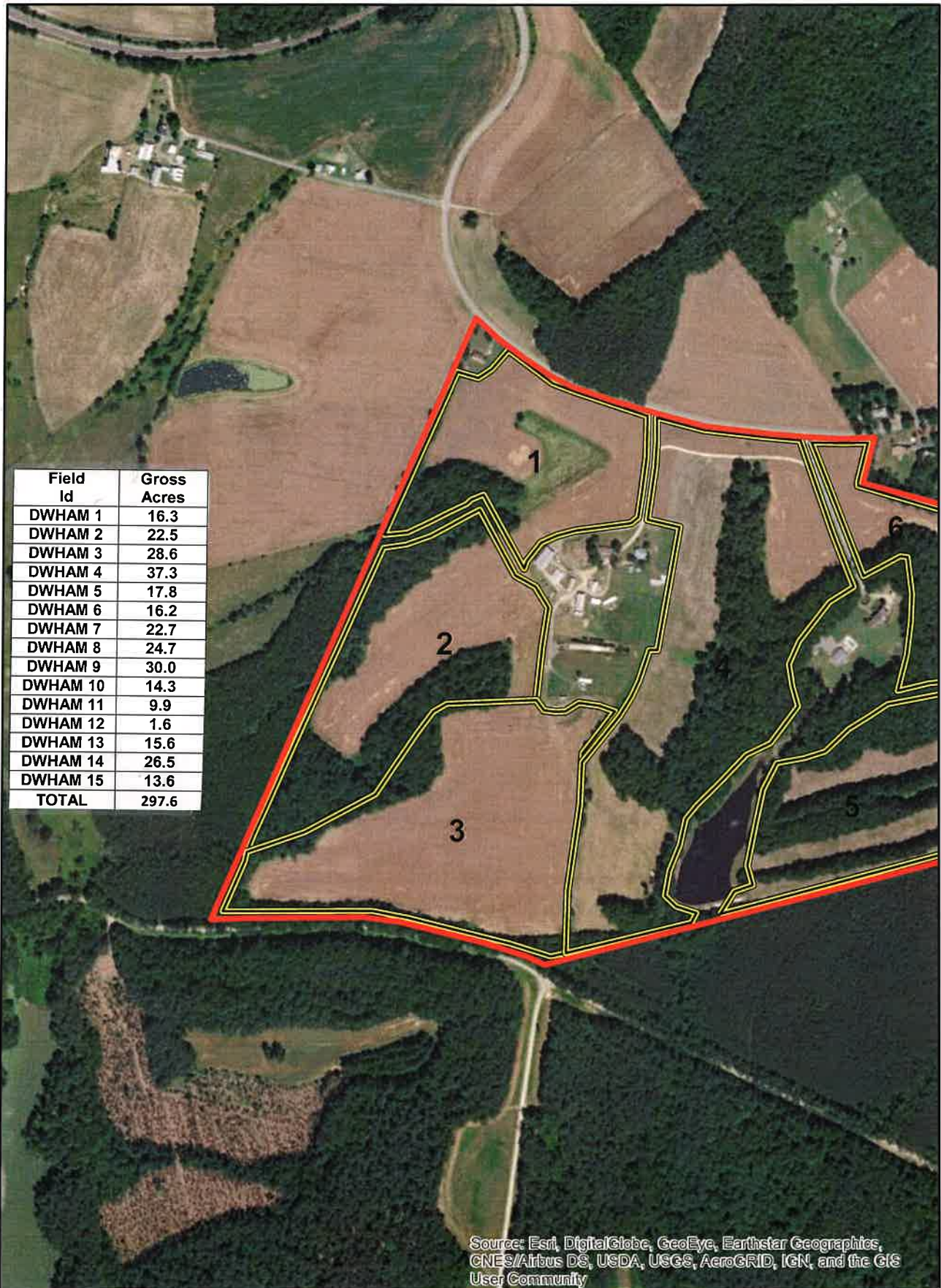
1 in = 660 feet



11-18-19
Frequently
Flooded

Soil Map

1 in = 660 feet



11-18-19

Aerial Map

1 in = 660 feet



Field Id	Gross Acres
DWHAM 1	16.3
DWHAM 2	22.5
DWHAM 3	28.6
DWHAM 4	37.3
DWHAM 5	17.8
DWHAM 6	16.2
DWHAM 7	22.7
DWHAM 8	24.7
DWHAM 9	30.0
DWHAM 10	14.3
DWHAM 11	9.9
DWHAM 12	1.6
DWHAM 13	15.6
DWHAM 14	26.5
DWHAM 15	13.6
TOTAL	297.6

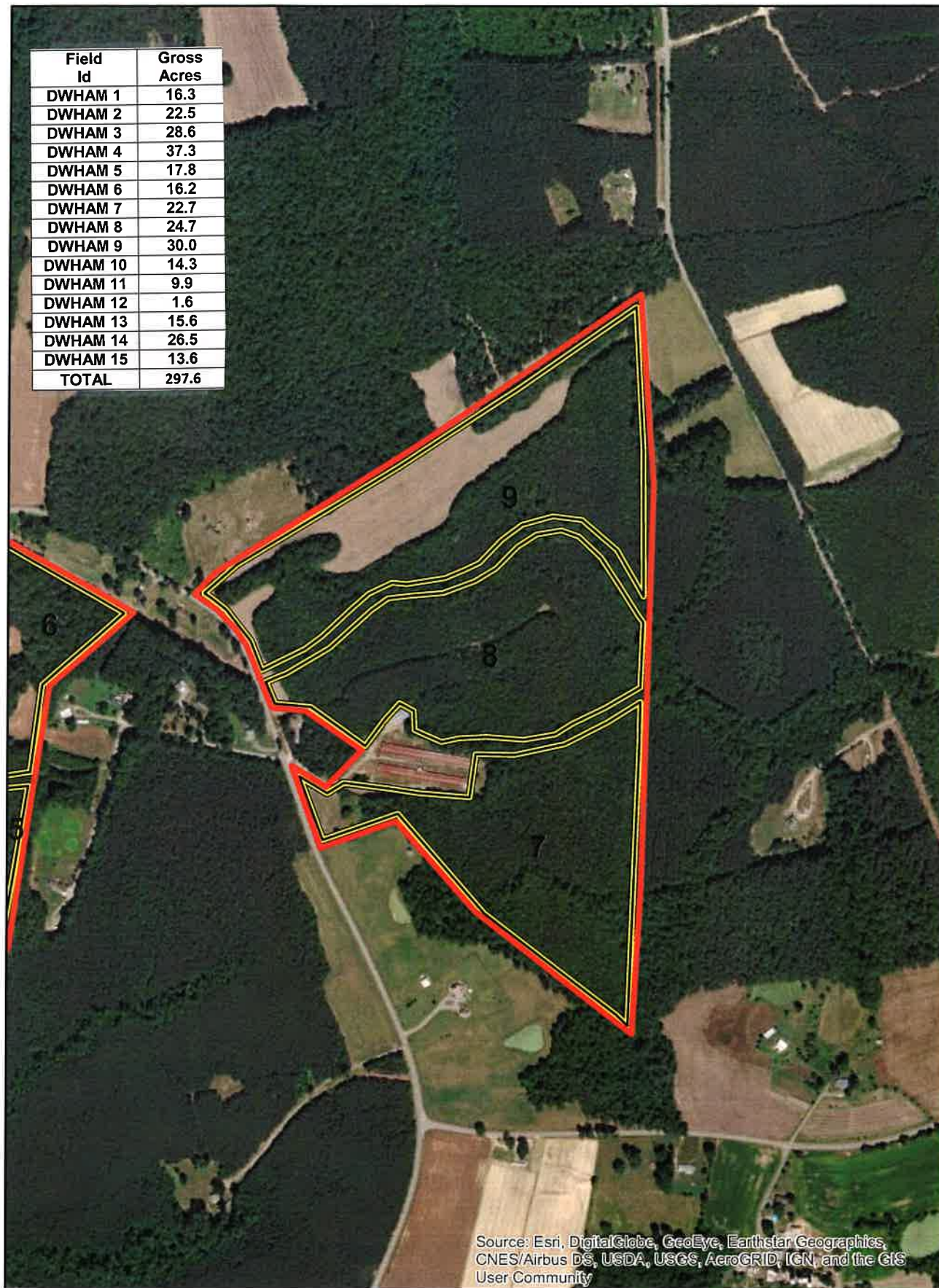
11-18-19

Aerial Map

1 in = 660 feet



Field Id	Gross Acres
DWHAM 1	16.3
DWHAM 2	22.5
DWHAM 3	28.6
DWHAM 4	37.3
DWHAM 5	17.8
DWHAM 6	16.2
DWHAM 7	22.7
DWHAM 8	24.7
DWHAM 9	30.0
DWHAM 10	14.3
DWHAM 11	9.9
DWHAM 12	1.6
DWHAM 13	15.6
DWHAM 14	26.5
DWHAM 15	13.6
TOTAL	297.6

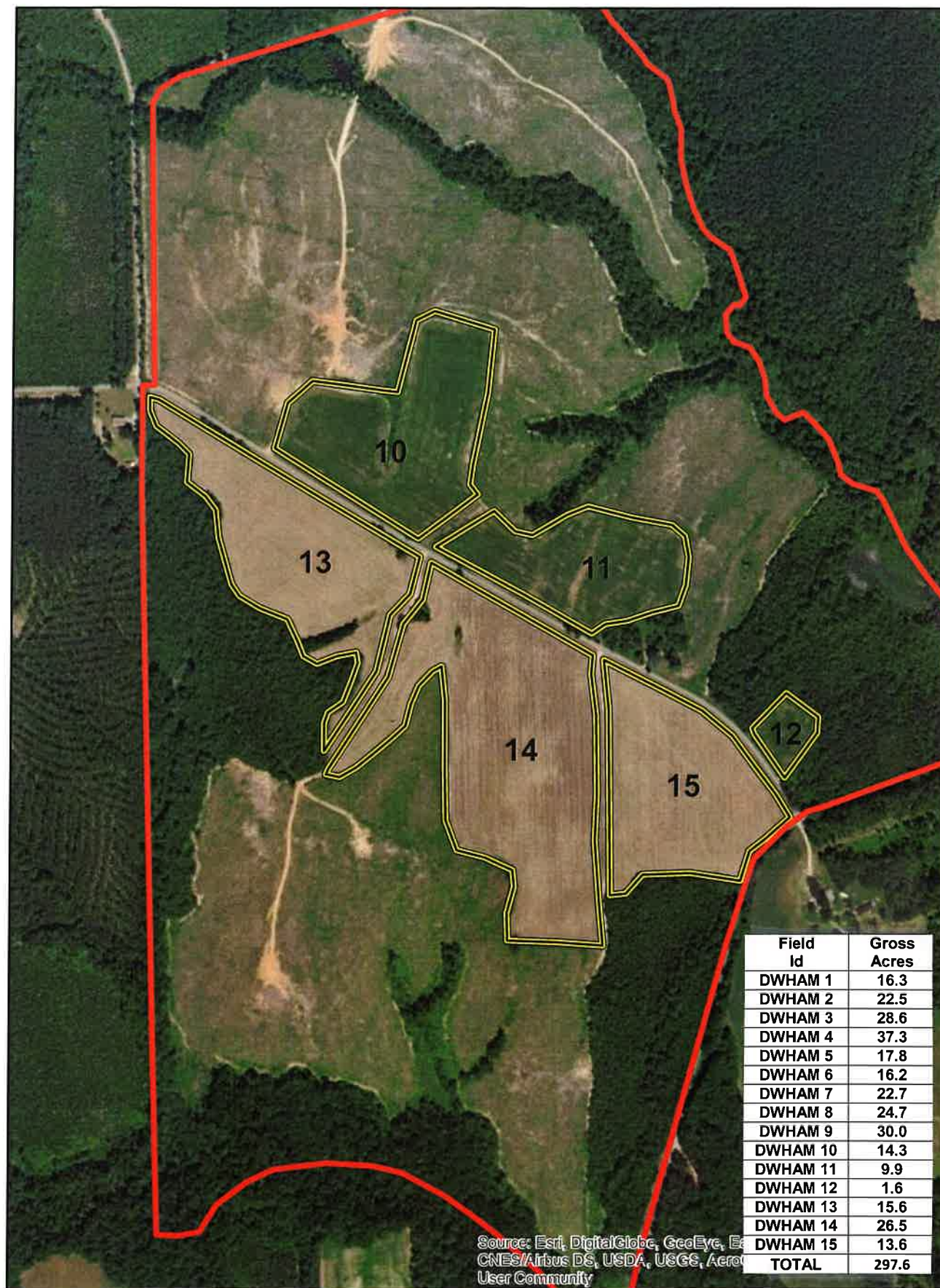


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

11-18-19

Aerial Map

1 in = 660 feet

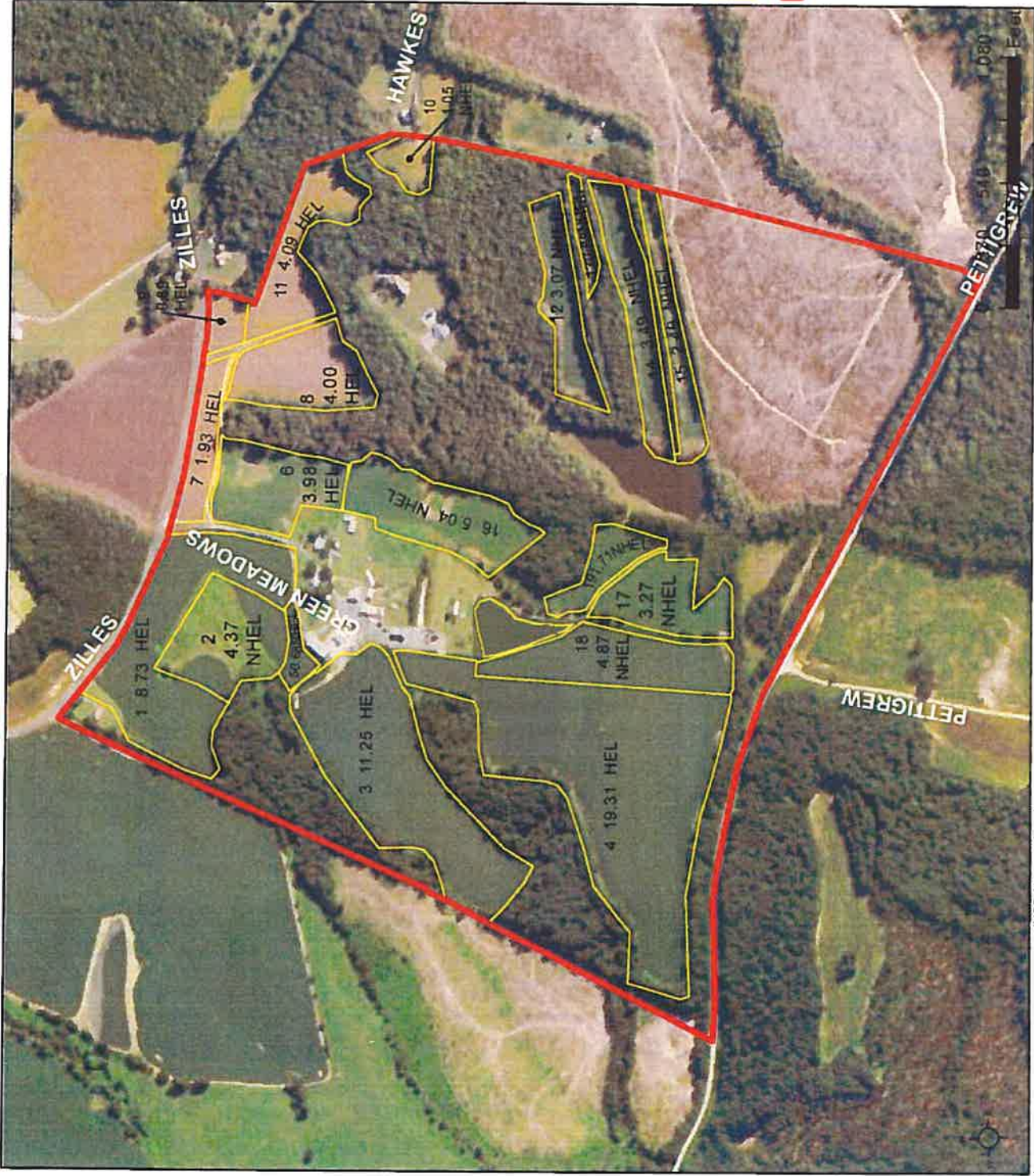


11-18-19

Aerial Map

1 in = 660 feet





2019 Program Year

Map Created June 20, 2019

Common Land Unit

- Non-Cropland
- Cropland
- Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 86.03 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).



United States
Department of
Agriculture

Dinwiddie County, Virginia

Tract 2428

Farm 4213



2019 Program Year

Map Created June 20, 2019

Common Land Unit

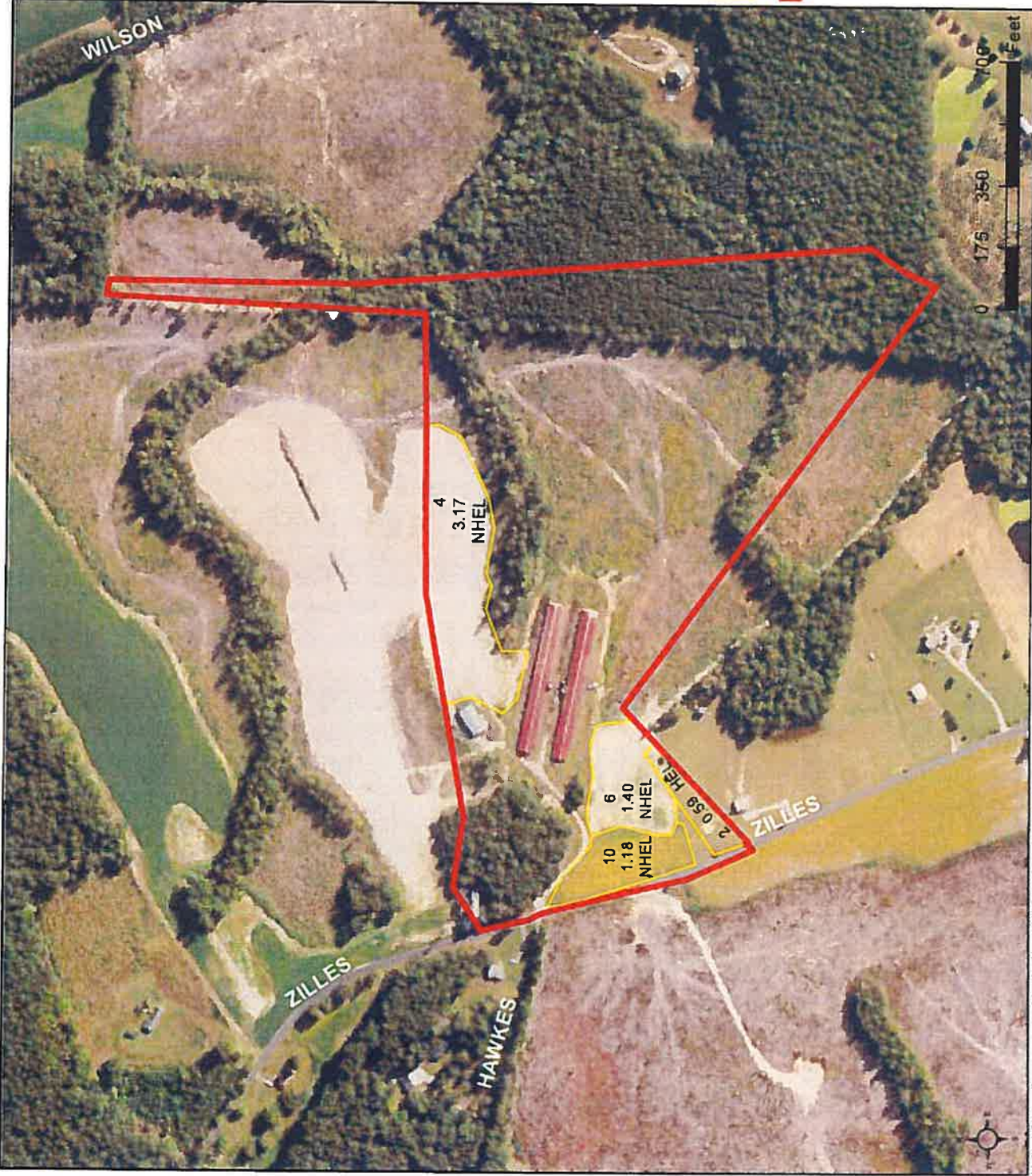
- Non-Cropland
- Cropland
- rcL_va053
- Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation
Compliance Provisions

Tract Cropland Total: 27.93 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).



2019 Program Year

Map Created June 20, 2019

Common Land Unit

Non-Cropland

Cropland

rc_l_va053

Tract Boundary

Wetland Determination Identifiers

Restricted Use

Limited

Exempt from Conservation

Compliance Provisions

Tract Cropland Total: 6.34 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).



United States
Department of
Agriculture

Dinwiddie County, Virginia

Tract 2249

Farm 3035

2019 Program Year

Map Created June 20, 2019

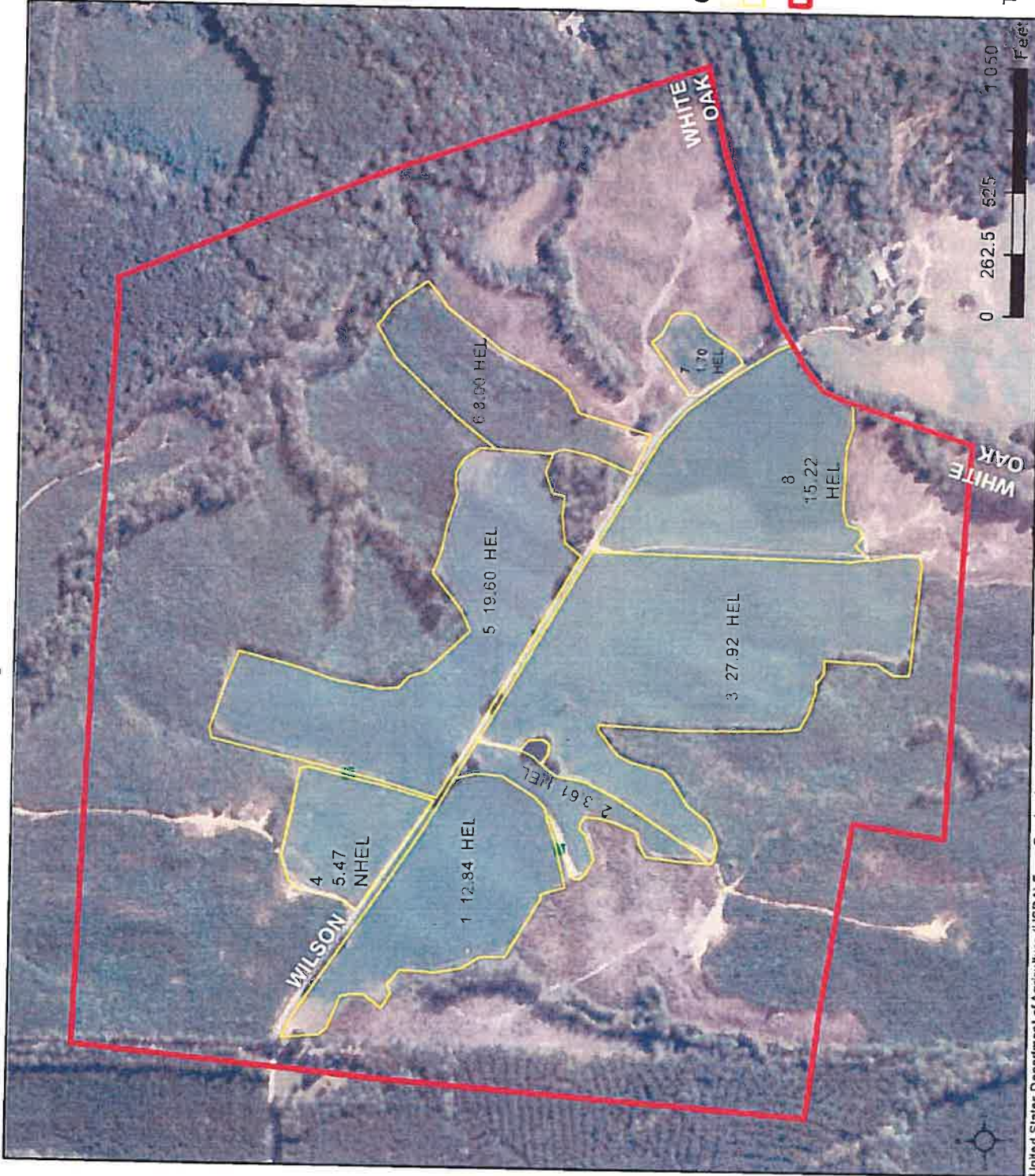
Common Land Unit

- Non-Cropland
- Cropland
- rcL_va053
- Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation
- Compliance Provisions

Tract Cropland Total: 94.36 acres

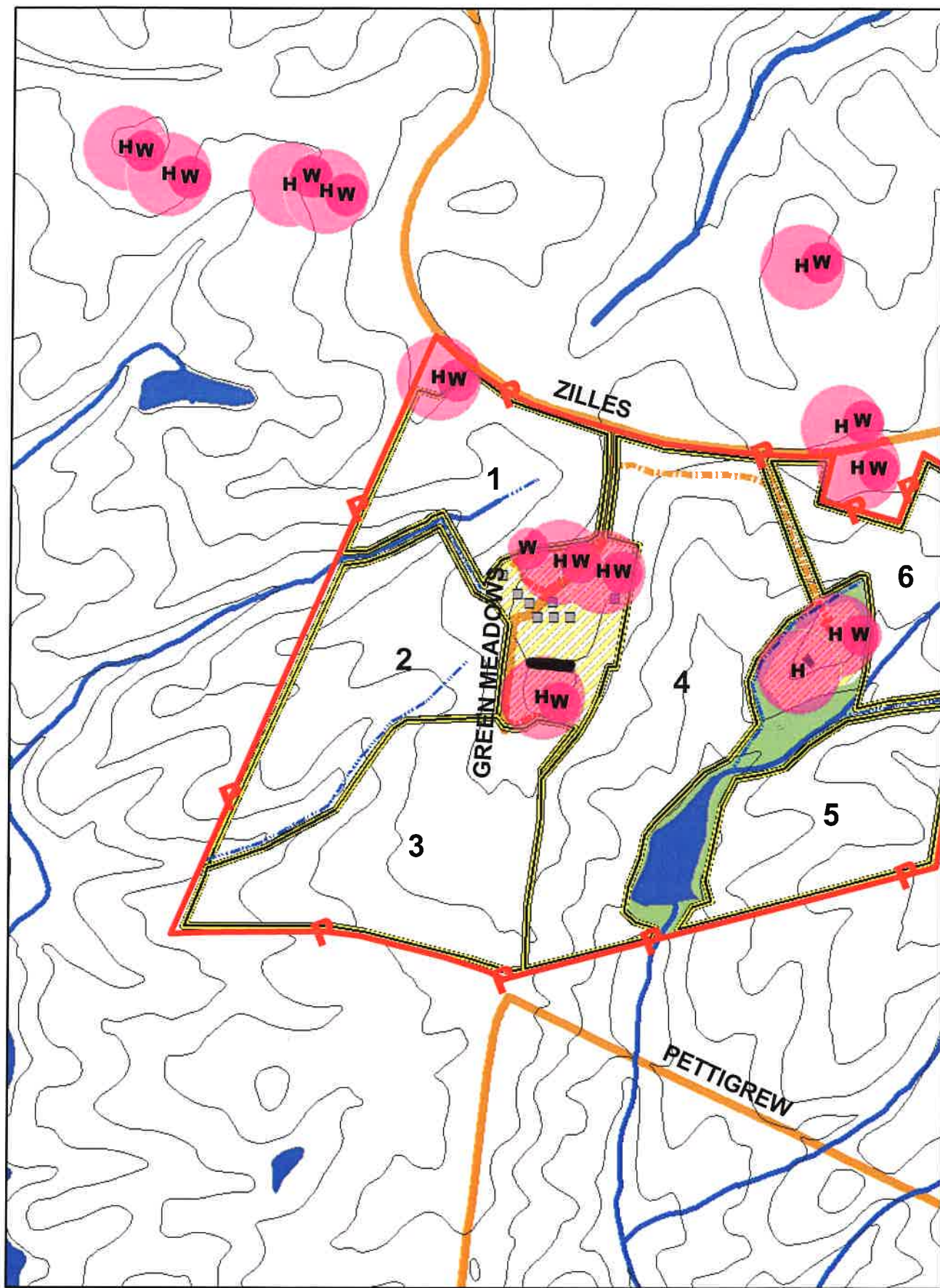


United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership. It depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland Identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

Legend For Site Plan

Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
 	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
  	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
	Property Line	100 feet from property line *
 	Slope	15% maximum
	Hashed out Area	No application

*Buffer can be reduced or waived upon written consent from landowner.



11-18-19

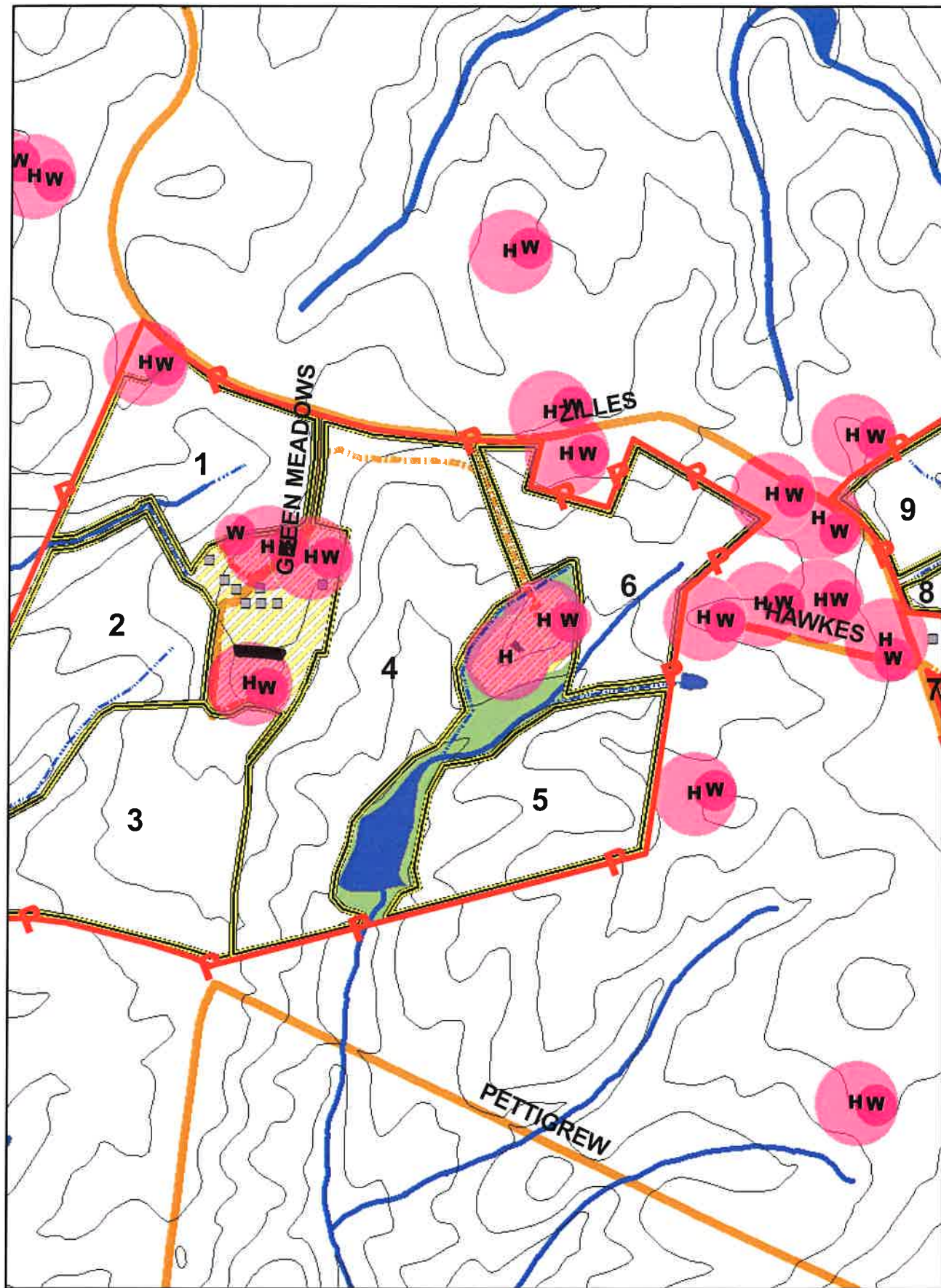
Site Map

1 in = 660 feet



Harrison A. Moody

DWHAM

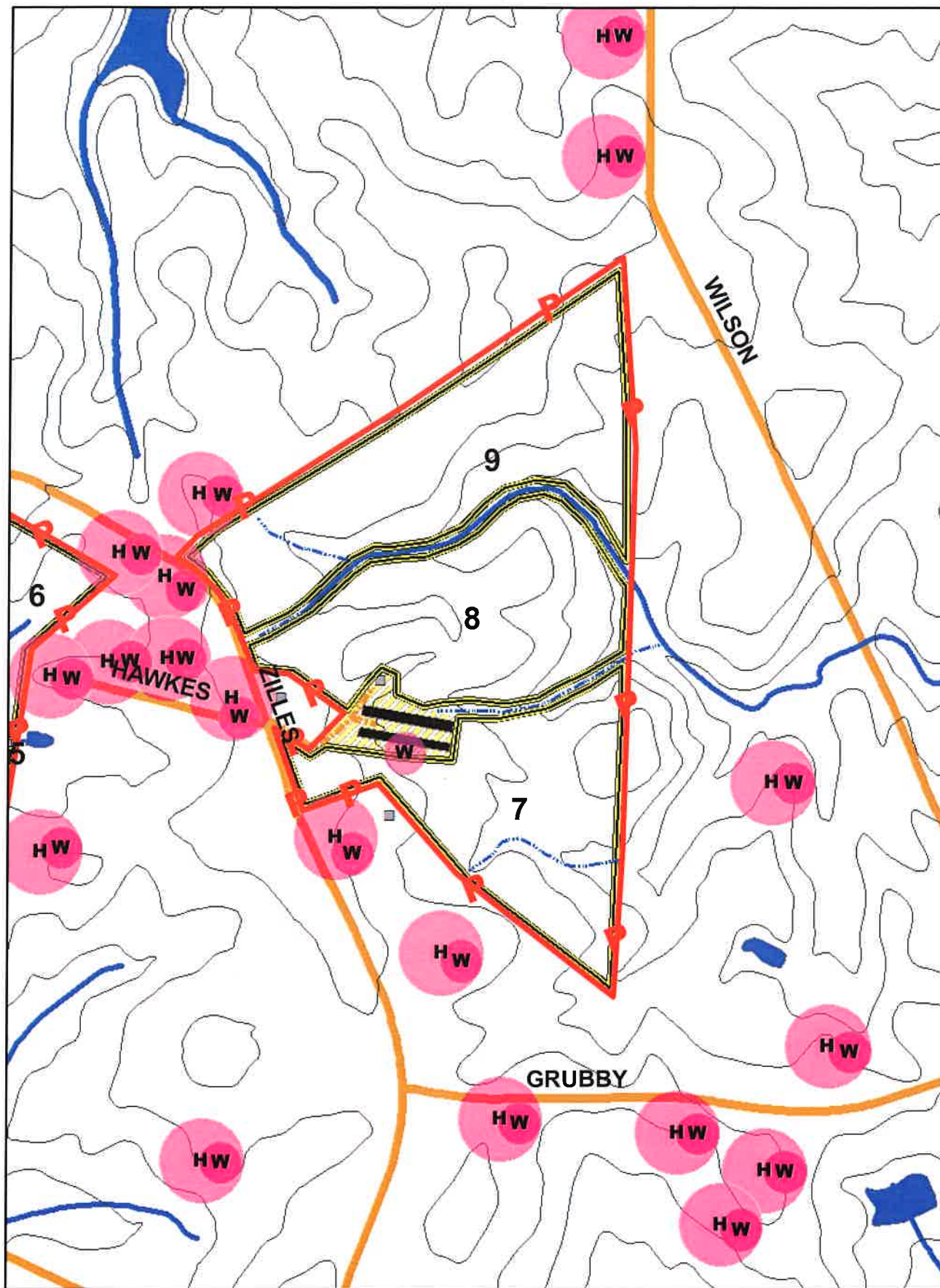


11-18-19

Site Map

1 in = 660 feet



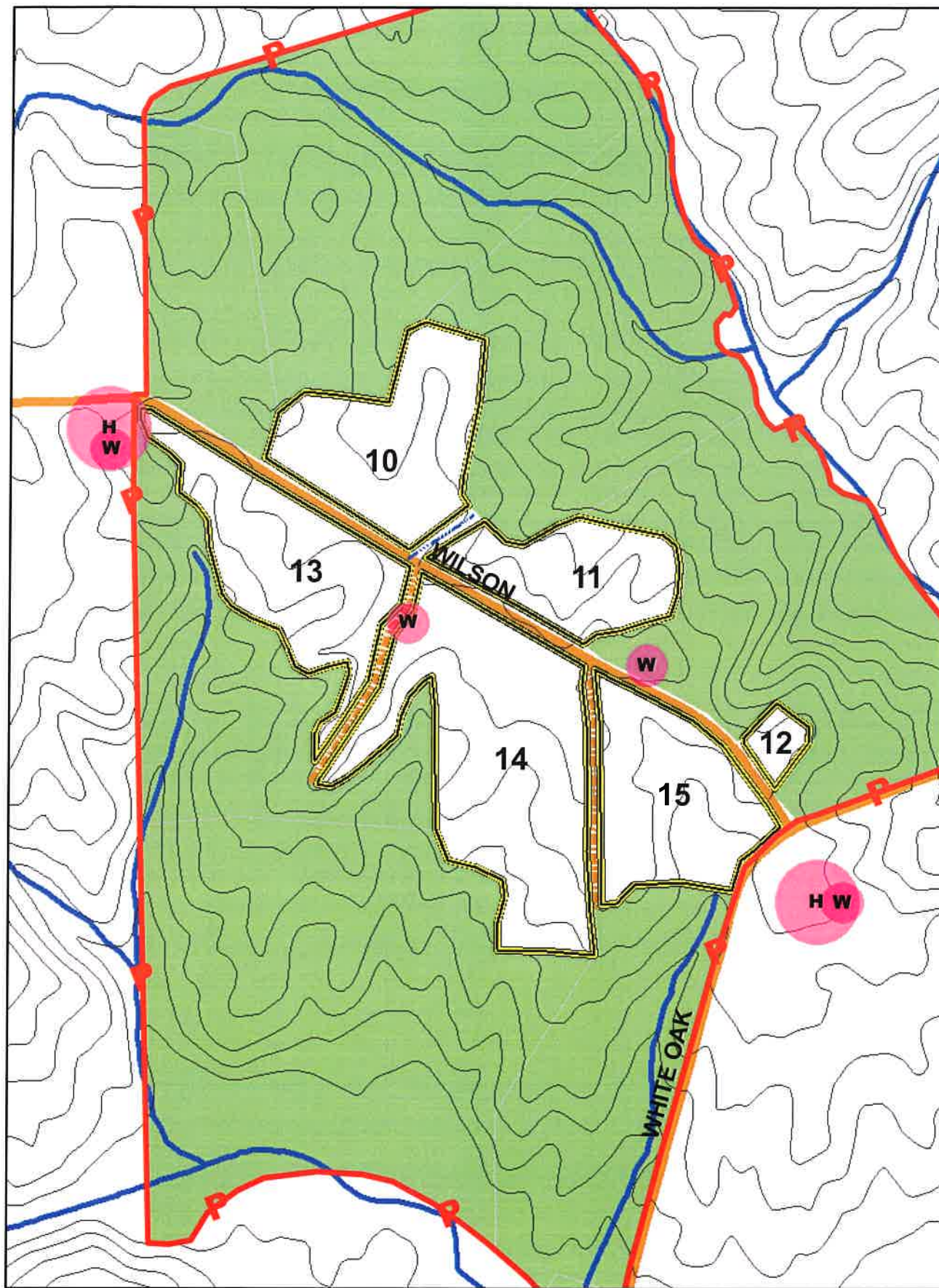


11-18-19

Site Map

1 in = 660 feet

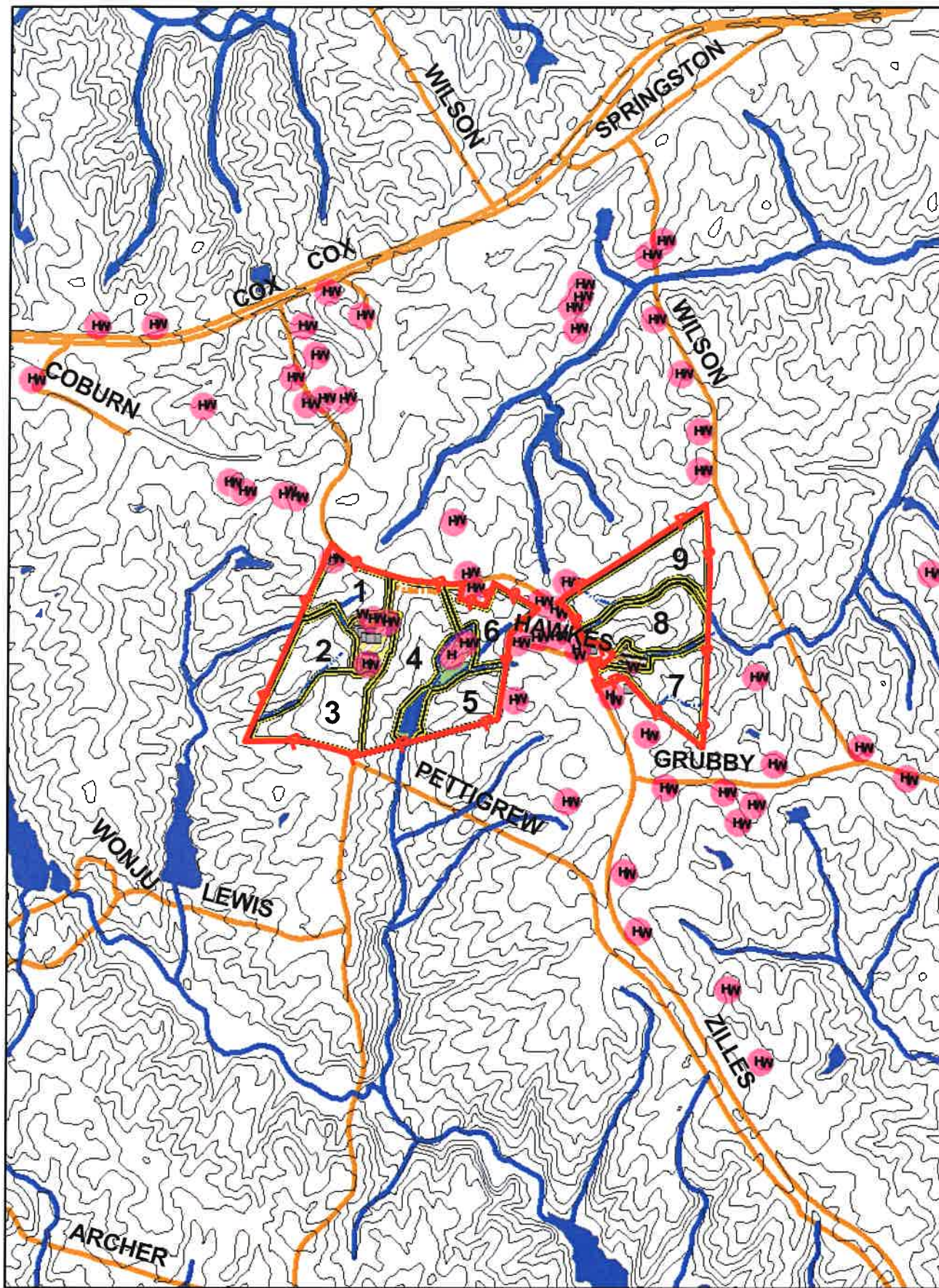




11-18-19

Site Map

1 in = 660 feet

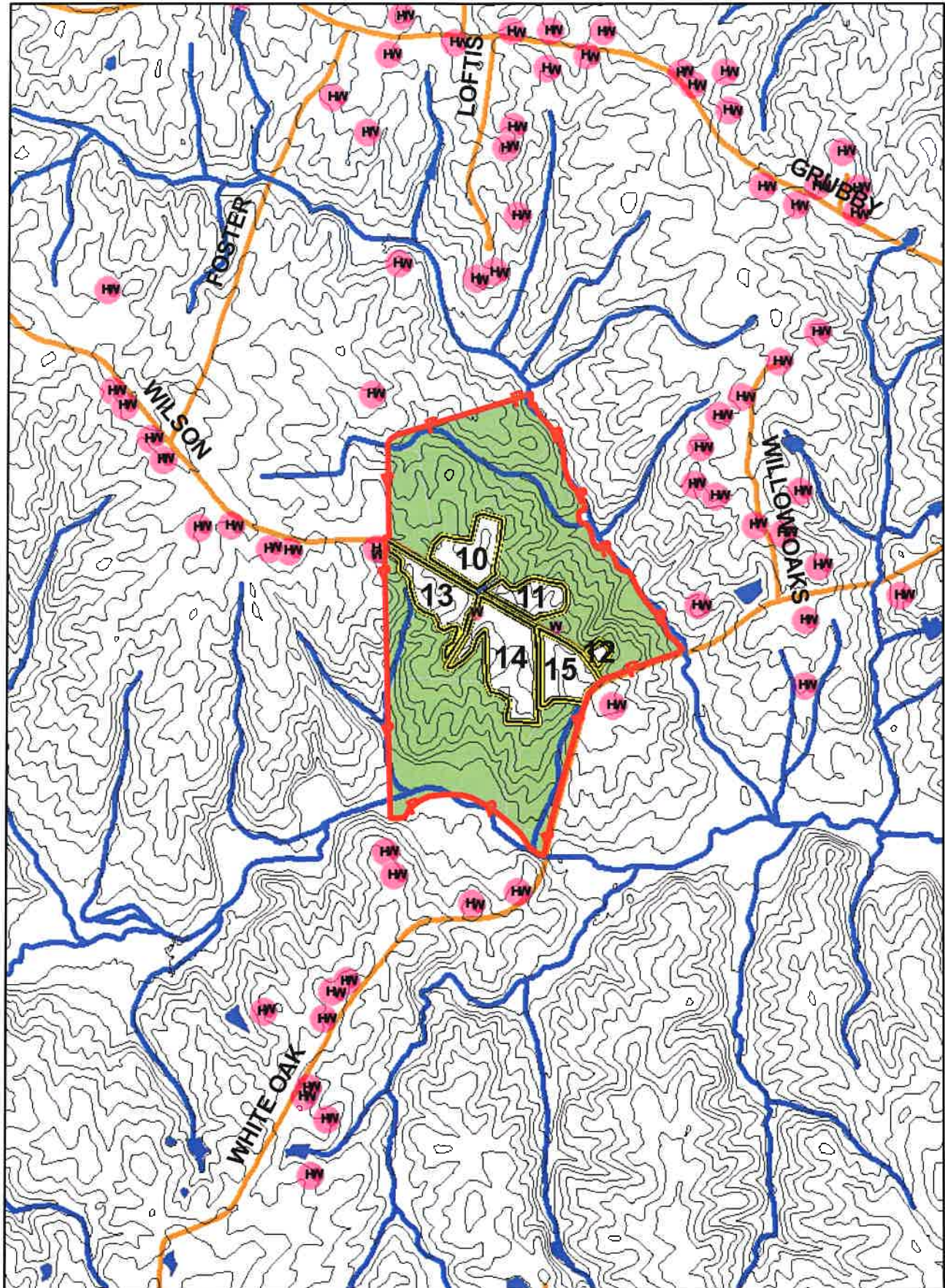


11-18-19

Topographic Map

1 in = 2,000 feet





11-18-19

Topographic Map

1 in = 2,000 feet

